

JEFFERSON BARRACKS NATIONAL CEMETERY ST. LOUIS, MISSOURI

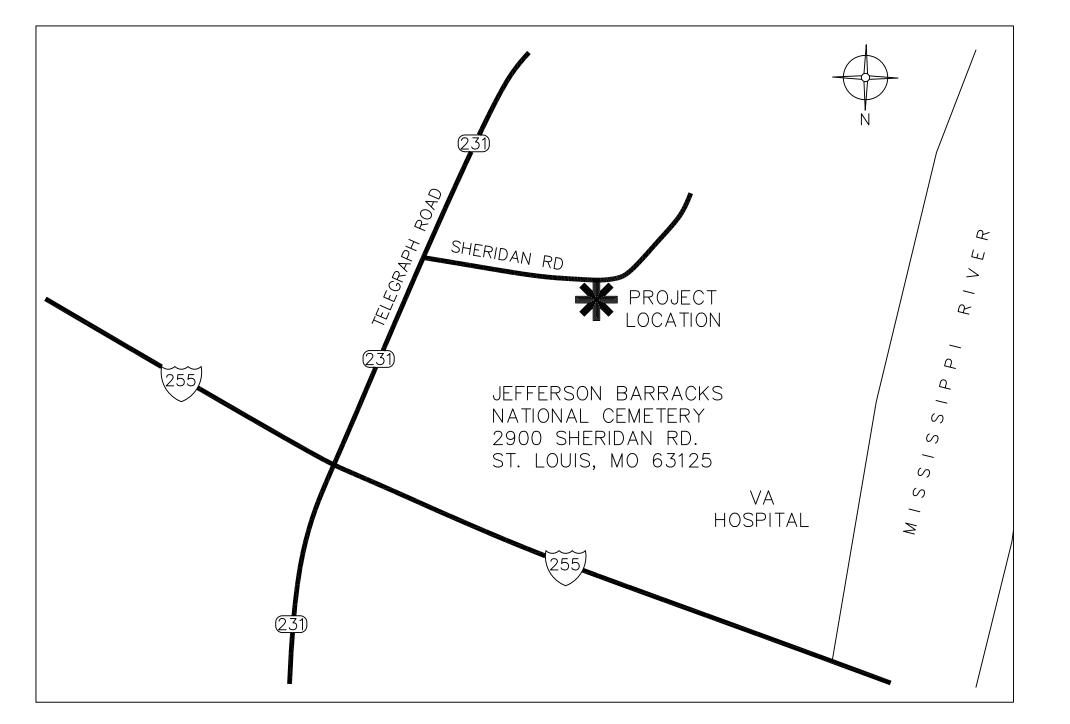
SEWER RELOCATION Project Number 852-CM3-037

DRAWING INDEX

DWG. NO.	<u>TITLE</u>
X-1	COVER SHEET AND DRAWING INDEX
B-1	EXISTING CONDITIONS
B-2	GEOTECHNICAL BORING LOGS
L-1	SITE PLAN
L-2	OVERALL CONSTRUCTION PHASING PLAN
L-3	CONSTRUCTION PHASING PLAN - PHASE 1
L-4	CONSTRUCTION PHASING PLAN - PHASE 2
L-5	CONSTRUCTION PHASING PLAN - PHASE 3
L-6	DEMOLITION PLAN
L-7	EROSION CONTROL PLAN
L-8	DETAILS
L-9	FENCE & COLUMN REPLACEMENT
L-10	LANDSCAPE PLAN
W-1	PUBLIC SANITARY SEWER PLAN AND PROFILE
W-2	PUBLIC SANITARY SEWER PLAN AND PROFILE
W-3	PRIVATE SANITARY SEWER PLAN AND PROFILE
W-4	SANITARY SEWER DETAILS



LOCATION MAP



VICINITY MAP

BASE MAP 29H3



PROJECT UTILITY CONTACTS:

AT&T (FIBER OPTIC) LINDA STAMPEHL MANAGER - ENG (DES) LS2082@ATT.COM (636) 949-1328

LACLEDE GAS COMPANY (NAT. GAS)

JIM YOUNG JYOUNG@LACLEDEGAS.COM 314-575-4620

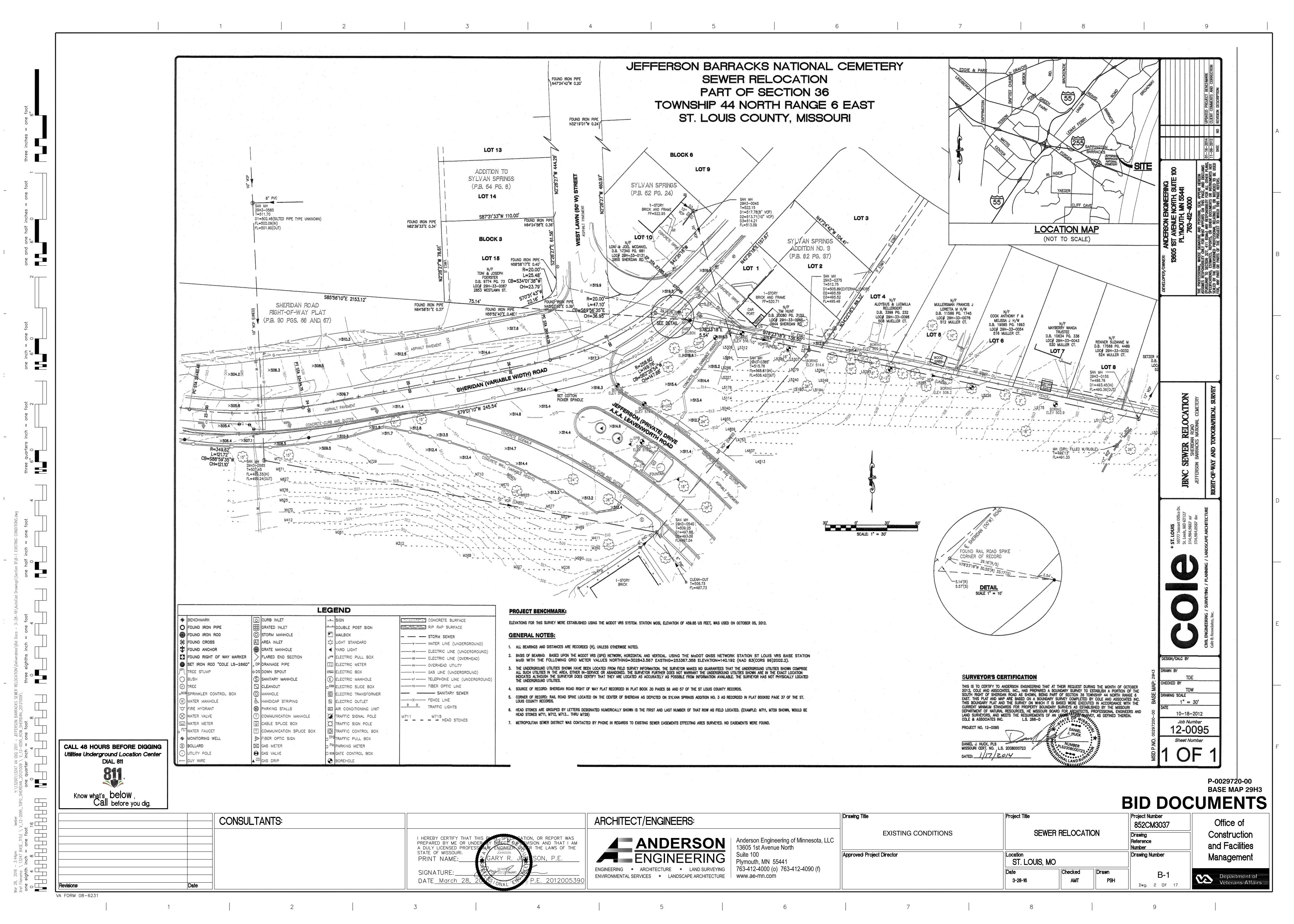
ST. LOUIS COUNTY HIGHWAYS & TRAFFIC

JENNIFER E. KRAMER, P.E. PLAN REVIEW SUPERVISOR 41 S. CENTRAL AVE, 5TH FLOOR CLAYTON, MO 63105 (314) 615-8548 JEKRAMER@STLOUISCO.COM

METROPOLITAN ST. LOUIS SEWER DISTRICT (MSD)

JOHN ALEXANDER SUPERVISOR OF ENGINEERING 2350 MARKET STREET ST. LOUIS. MO 63103-2555 (314) 768 - 2707





BORING LOGS

		D.: <u>1</u>															
$\overline{}$		SUBSURFACE PROFILE					SAI	MPLE		Γ				Π			
Depth (ft.)	Symbol	Description	Qp, t.s.f.	Dry Density, P.C.F.	Depth/Elev.	Number	Туре	Blows/ff.	Qu, T.S.F.	Star		Pene Test ows/ft	tration	Wp	· -	•	ent %
0		Ground Surface Topsoil(<3"), Fill: Lean Clay w/Gravel, Silty, Yellow Brown, (CL)			510.0					1	0 20	30	40	1	0 2 19	0 30	40
		Lean Clay, Silty, Yellow Brown Mottled Light Gray, Very Stiff, (CL)	2.00	98.9	1.5	1	HA SS	7	2.51	7					23.0		+
5		Stiff, (CL)															+
			2.50	101.1		2	ss	10	1.42	10 4	`				24.0		+
		Stiff to Medium, (CL)	0.50	101.0		3	ss	7	1.00	7 🛊					23.8	•	+
10-		Stiff, (CL)	1.50	101.6		4	ss	8	1.43	8 🛦					22.9	•	+
																	+
15		Fat Clay w/Gravel, Reddish Brown, Stiff, (CH)	4		495.0 15. 0		-	40	-								+
- <u>Q</u>	K.	End of Boring @ 16½ ft.	+		493.5 16.5	5	SS	16	-	1	6 ▲				22.2		_
-																	+
20 -													+				+
												+					\mp
25																	+
-												7					Ŧ
.]												+					Ŧ
30 –																	+
_1		d: 3 1/4" HSA		<u> </u>	L			<u> </u>	round								

Description Secription Se	Description Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Stiff, (CL) Stiff, (Description Standard Penetration Water Control Standard Penetration Test Blows/ft. Wp 10 20 30 40	Description Standard Penetration Water Control Test blows/ft. Wight Standard Penetration Wight Wight Standard Penetration Wight	Description	Description Standard Penetration Test Diows/ft. Wip Standard Penetration Diows/ft. Wip Standard Penetration Diows/ft. Wip Standard Penetration Diows/ft. Wip Diows/ft. Wip Diows/ft. Wip Diows/ft. Wip Diows/ft. Wip Diows/ft.	Description Standard Penetration Water Content Standard Penetration Standard Penetration Test Diows/ft. Wip Standard Penetration Wi	Description	Description Descr			
Cound Surface Topsolit 37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 10.20 10.20 2.4 1.50 102.0 1.50 102.0 1.50	0 Ground Surface Topsoil(~37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 1 S	Siff (CL) Siff	Ground Surface Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(-37), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, Sitty, Ye	Siff, (CL) Stiff, (CL) S	Caround Surface	10 20 30 40 10 20 40 40 40 40 40 40 40 40 40 40 40 40 40	Ground Surface Topsoil(<3'), Lean Clay, Silty, Yellow Brown Nottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 21.4	Ground Surface 515.0 10 20 30 40 10 20	Description Descr	Description Hence Hence	- 등 Standard Feneration Water
Topsoil(-3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 2 L1 4 1 SS 10 2.79 21.4 Very Stiff, (CL) 2 SS 13 2.90 13 SS 8 1.28 8 22.8 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Topsoli(-3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 1 SS 10 2.79 2 SS 13 2.90 1 SIff, (CL) 3 SS 8 1.28 8 1.28	Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79	Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 22.8 3 SS 8 1.28 4 SS 7 1.16 7	Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 1.4 2 1.5 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2.8 9 1 3 SS 8 1.28 8 1 2 SS 13 SS 8 1.28 8 1 2 SS 13 SS 8 1.28 9 1 3 SS 8 1.28 9 1 3 SS 8 1.28 8 1 2 SS 13 SS 8 1.28 9 1 3 SS 8 1 SS 8 1.28 9 1 3 SS 8 1 SS 8 1.28 9 1 3 SS 8 1 SS 8 1.28 9 1 3 SS 8 1 SS 8 SS 8 1 SS 8 1 SS 8 SS 8 1 SS 8 S	Topsolf(-3"), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) 3.50 102.0 1 SS 10 2.79 2 1.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 Stiff, (CL) Stiff, (CL) 1.50 99.9 4 SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 1 SS 10 2.79 2 SS 13 2.90 1 Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft.	Topsoil(<3"), Lean Clay, Sitly, Yellow Brown Mottled Light Gray, (CL) Very Stiff, (CL) 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 Stiff, (CL) 1.50 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 Soo. 0 1.41 The set of	Ground Surface 515.0 10 20 30 40 1 10 20		Syn Mumb Port 1 (4.5.F. Port 1 (4.	Description C. P. Description C. P.
Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 17.8 17.8 17.8 17.8 18.8	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 1.2	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 2 SS 13 2.90 13	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 1 SS 11 2.90 1 Stiff, (CL) 1 SS 17 1.16 7 Stiff, (CL) 1 SS 10 2.79 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF (CL) 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 SS 11 3 2.90 1 STIFF, (CL) 1 SS 10 2.79 1 STIFF, (CL)	Very Stiff, (CL) 3.50 102.0 10 HA 11 SS 10 2.79 10 21.4 11 SS 10 2.79 21.4 11 SS 10 2.79 21.4	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 Stiff, (CL) 3.50 102.0 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10 10 17.8 10 10 10 10 10 10 10 10 10 10 10 10 10 1	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 Soon 5 SS 17 1.41	Topsoil(<3"), Lean Clay, Silty, Yellow Brown	Ground Surface 515.0 10 20 30 40 10 20 10		
3.50 102.0 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 15 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 Stiff, (CL) 1.50 79.9 500.0 15.0 5 SS 17 1.41 7 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 79.9 Rig Refusal (Probable Limestone) @ 21 ft. Rig Refusal (Probable Limestone) @ 21 ft. 1 SS 10 2.79 1 SS 10 2.79 1 TS SS 10 2.79	3.50 102.0 1 SS 10 2.79 1 1.4	3.50 102.0 1 Ss 10 2.79 1 1 SS 10 2.79 1 1 1 SS 10 2.79 1 1 1 1 SS 10 2.79 1 1 1 1 SS 10 2.79 1 1 1 1 1 SS 10 2.79 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.50 102.0 1 Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 Stiff, (CL) 1.00 99.9 4 SS 7 1.16 7 Stiff, (CL) 1.50 79.9 5 SS 17 1.41 7 Weathered Limestone Stringers w/Fat Clay Seams, (GC) 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.	3.50 102.0 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 100 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	3.50 102.0 Very Stiff, (CL) 4.00 102.9 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft.	5 - Very Stiff, (CL) 4.00 102.9 Stiff, (CL) Stiff, (CL) 1.50 99.1 1 SS 10 2.79 1 1 3 2.90 1 1 3 2.90 1 1 3 2.90 1 1 3 2.90 1 3 5 8 1.28 8 4 22.8 • 1 2 2.8 • 1 2 2.8 • 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1/// Infolling Light Gray, (62)		Ground Surface 515.0 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown 10 20 30 40 10 20 40 10 20	0 Ground Surface 515.0 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown
Very Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 4 22.8 13 2.90 13 17.8	Very Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8	3 SS 8 1.28 8 1	Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 4 22.8 • 1.10 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 4 23.6 • 1.50 79.9 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC)	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 17.8 1.50 1.5	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10.00 10.00 1.50 1	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13	Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 4.00 102.9 2 SS 13 2.90 13 17.8	O HA D PA	Mottled Light Gray, (CL)	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL)	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 515.0 10 20 30 40 10
Very Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 4 22.8 13 2.90 13 17.8	Very Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8	3 SS 8 1.28 8 1	Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 4 22.8 • 1.10 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 4 23.6 • 1.50 79.9 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC)	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 17.8 1.50 1.5	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10.00 10.00 1.50 1	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13	Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 4.00 102.9 2 SS 13 2.90 13 17.8	Very Stiff, (CL)	Mottled Light Gray, (CL) 0 HA Very Stiff, (CL)	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA Very Stiff, (CL)
1.50 99.1 Stiff, (CL) 1.50 99.1 1.50 99.9 A SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	1.50 99.1 3 SS 8 1.28 8	Stiff, (CL) 1.50 99.1 1.50 99.9 4 SS 7 1.16 7 23.6 23.6 22.8	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8 22.8 Stiff, (CL) 1.00 99.9 4 SS 7 1.16 7 23.6 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 21.4	O Ground Surface 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 0 HA Very Stiff, (CL) 1 SS 10 2.79 21.
1.50 99.1 Stiff, (CL) 1.50 99.1 1.50 99.9 A SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	1.50 99.1 3 SS 8 1.28 8	Stiff, (CL) 1.50 99.1 1.50 99.9 4 SS 7 1.16 7 23.6 23.6 22.8	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8 22.8 Stiff, (CL) 1.00 99.9 4 SS 7 1.16 7 23.6 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL)	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 Very Stiff, (CL) Very Stiff,	O Ground Surface 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 0 HA Very Stiff, (CL) 1 SS 10 2.79 21.
15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.00 99.9 4 SS 7 1.16 7	1.00 99.9 1.00 99.9 4 SS 7 1.16 7 23.6 23.6 1.50 79.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	1.00 99.9 4 SS 7 1.16 7 23.6 •	1.00 99.9 4 SS 7 1.16 7 23.6 • 1.00 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft.	1.00 99.9 4 SS 7 1.16 7 23.6 •	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 13 17.8 •	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Topsoil(<5"), Lean Clay, Silty,	O
15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 79.9 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	500.0 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 500.0 1.50 79.9 497.0 1.41 7 497.0 1.41 7 497.0 1.41 7 497.0 1.50 8 SS 76-12"	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. The state of the stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7 3	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 13 17.8 •	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 13 17.8	Ground Surface 10 20 30 40 10 20 10 20 30 40 10 20 40 10 20	O
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 1.50 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay 1.50 79.9 15.0 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7 3	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 • 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 77.8 2 SS 13 2.90 1 3 SS 8 1.28 8 22.8	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) 1.50 79.9 1.50 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay 1.50 79.9 15.0 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7 3	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 • 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 77.8 2 SS 13 2.90 1 3 SS 8 1.28 8 22.8	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 5 SS 17 1.41 70 497.0 494.0 6 SS 76-12"	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay 1.50 79.9 15.0 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 • 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 77.8 2 SS 13 2.90 1 3 SS 8 1.28 8 22.8	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 497.0 18.0 497.0 18.0 497.0 18.0 494.0 6 SS 76-12" 21.0	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) 497.0 18.0 497.0 18.0 497.0 18.0 496.12" →	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Weathered Limestone Stringers w/Fat Clay 497.0 18.0		Fard drilling below 10½ π.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 13 17.8 17.8 10 17.8 11.16 17.8 11.	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 Very Stiff, (CL) Stiff, (CL) 3.50 102.0 4.00 102.9 2 SS 13 2.90 17.8 10 2.79 2 SS 13 2.90 17.8 2 SS 13 2.90 1 SS 7 1.16 7 A 23.6	Ground Surface Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL)	O
Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 21.0 A76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 494.0 6 SS 76-12" 21.0	Seams, (GC) Very Dense, (GC) 494.0 6 SS 76-12" 476-12"→	Seams, (GC) Very Dense, (GC)				Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 8 A 22.8 10 Stiff, (CL) 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 14 SS 7 1.16 15 SS 10 2.79 15 SS 17 1.41	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9	Ground Surface 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20	Ground Surface
Very Derise, (GC) Ap4.0 6 SS 76-12" →	Very Derise, (GC) 494.0 6 SS 76-12" → Rig Refusal (Probable Limestone) @ 21 ft.	Very Derise, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Very Dense, (GC) 494.0 6 SS 76-12" 476-12" →				Weathered Limestone Stringers w/Fat Clay	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 1.4 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 2.79 11 SS 10 2.79 12 1.4 13 SS 10 2.79 15 SS 13 2.90 15 SS 17 1.16 7 23.6 16 SS 17 1.41 17 SS 10 2.79 17 SS 10 2.79 17 SS 10 2.79 17 SS 10 2.79 18 SS 10 2.79 18 SS 10 2.79 19 SS 10 2.79 10 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 1.28 8 1.28 8 1.28 8 1.28 8 1.28 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft.	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Silty, Yellow Brown Topsoil(<3"), Lean Clay, S	Ground Surface
Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Rig Refusal (Probable Limestone) @ 21 ft.	Rig Refusal (Probable Limestone) @ 21 ft.	494.0					Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 4.00 102.9 Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 1 SS 10 2	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 21.4 1 SS 10 2.79 21.4 1 SS 10 2.79 1 SS 10 2.79 21.4 1 SS 10 2.79 1 SS 10 2.79 1 SS 13 2.90 1 SS 13 2.90 1 SS 8 1.28 8 A 22.8 1 SS 7 1.16 7 A 23.6 Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	Ground Surface Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Stiff, (CL) Topsoil(<3"), Lean Clay, Sitty, Yellow Brown Topsoil(<3")	Caround Surface
		- I End of Boring @ 21 π.		Rig Refusal (Probable Limestone) @ 21 ft.			Seams, (GC) Very Dense, (GC)	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 17.8 17.8 17.8 17.8 17.8 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 1.4 2 SS 13 2.90 1 SA 1.28 2 2.8 2	Stiff, (CL)	Cround Surface Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Sifty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<a>37), Lean Clay, Sifty, Sif
25-						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20 494.0 6 SS 76-12" 21.0	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10 17.8 10 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 17.8 14 SS 7 1.16 74 SS 7 1.16 75 SS 17 1.41 76 SS 17 1.41 77 SS 18 SS 18 1.28 78 SS 18	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 11.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 8 22.8 14 SS 7 1.16 7 23.6 15 SS 17 1.41 7 23.6 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Stiff, (CL)	Count Surface Count Surfac
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20 494.0 6 SS 76-12" 21.0	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10 17.8 10 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 17.8 14 SS 7 1.16 74 SS 7 1.16 75 SS 17 1.41 76 SS 17 1.41 77 SS 18 SS 18 1.28 78 SS 18	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 11.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 8 22.8 14 SS 7 1.16 7 23.6 15 SS 17 1.41 7 23.6 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Stiff, (CL)	Count Surface Count Surfac
	75-				End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
	25		5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17.8 10 17.8 10 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 17.8 14 SS 7 1.16 74 SS 7 1.16 75 SS 17 1.41 76 SS 17 1.41 77 SS 18 SS 18 1.28 78 SS 18	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
30-				25 -	End of Boring @ 21 ft.	A76-12" A76-12	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 4.00 102.9 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Pat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 1 SS 10 2.79 1 1 SS 10 2.79 2 SS 13 2.90 13 17 8 17 8 17 8 18 17 8 18 8 18 8 19 8 8 8 19 8 8 19 8 8 8 19 8 8 8 19 8 8 8 19 8 8 8 19 8 8 8 19 8 8 8 19 8 8	Stiff, (CL)	O
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20 494.0 6 SS 76-12" 21.0	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21. Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8	Siff, (CL) Sif	0 Ground Surface 10 20 30 40 10 10 20 10 20 30 40 10 10 20 30 40 10 10 20 10 20 30 40 10 10 20 10 20 30 40 10 10 20 10 20 10 20 10 20 10 20 10 20 10 20 30 40 10 20
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
			5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
	25		5-		End of Boring @ 21 ft.	Very Derise, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. 494.0 6 SS 76-12" 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 11.4 1.50 102.0 1 SS 10 2.79 1.14 1.50 2 SS 13 2.90 11.8 1.50 3 SS 8 1.28 8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 A 22.86 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.		O
						Very Derise, (GC) 494.0 6 SS 76-12" ▲76-12" Rig Refusal (Probable Limestone) @ 21 ft. 21.0 □ <td< td=""><td>Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20</td><td>Very Stiff, (CL) 3.50 102.0 1</td><td>Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 HA 1 SS 10 2.79 1 17.8</td><td> Stiff, (CL) Stiff, (CL) </td><td> Ground Surface Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Topsoil(<37), Lean Clay, Silty, Lean Clay</td></td<>	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 HA 1 SS 10 2.79 1 17.8	Stiff, (CL)	Ground Surface Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<37), Lean Clay, Silty, Yellow Brown Topsoil(<37), Lean Clay, Silty, Lean Clay
	25-				End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 SS 13 2.90 13 17.8		O
	25		5-		End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
	1				End of Boring @ 21 ft.	Very Derise, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. 21.0 A76-12" → 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 2 SS 13 2.90 13 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 SS 13 2.90 13 17.8		O
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 23.6 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Stiff, (CL)	Count Surface Count Surfac
					End of Boring @ 21 ft.	Very Dense, (GC) Ap4.0 6 SS 76-12" →	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 1 SS 10 2.79 2 SS 13 2.90 13 17.8 17.8 10 Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft. End of Boring @ 21 ft.		O
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 21.0 Seams, (GC) 494.0 6 SS 76-12" 21.0	Very Stiff, (CL) 3.50 102.0 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 11.4 Very Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 8 22.8 14 SS 7 1.16 7 23.6 15 SS 17 1.41 7 23.6 Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Stiff, (CL)	Count Surface Count Surfac
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4 Very Stiff, (CL) 1 SS 10 2.79 21.4 17.8 10 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 1.	Stiff, (CL)	Count Surface Count Surfac
25						Very Dense, (GC) 494.0 6 SS 76-12" Rig Refusal (Probable Limestone) @ 21 ft. 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 3 SS 8 1.28 8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 13	Stiff, (CL)	Count Surface Count Surfac
25 -						Very Derise, (GC) 494.0 6 SS 76-12" Rig Refusal (Probable Limestone) @ 21 ft. 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 11.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 21.4 1 SS 10 2.79 1 SS 10 2.79 1 SS 10 2.79 1 SS 17 1.4 1 SS 10 2.79 1 SS 10	Stiff, (CL)	Count Surface Count Surfac
						Very Derise, (GC) 494.0 6 SS 76-12" → 476-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 21.0 Seams, (GC) 494.0 6 SS 76-12" 21.0	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 11.8 10 2.79 10 21.4 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 21.4 1 SS 10 2.79 1 SS 1	Stiff, (CL)	Count Surface Count Surfac
						Very Dense, (GC) 494.0 6 SS 76-12" → 76-12" → 76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 11.8 10 2.79 10 21.4 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 SS 10 2.79 1 17.8	Stiff, (CL)	Count Surface Count Surfac
						Very Derise, (GC) 494.0 6 SS 76-12" → 476-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 20	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4 11.8 10 2.79 10 21.4 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 0 21.4 1 SS 10 2.79 1 SS 1	Stiff, (CL)	Count Surface Count Surfac
Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 21.0 A76-12" → 21.0	Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 494.0 6 SS 76-12" 21.0	Seams, (GC) Very Dense, (GC) 494.0 6 SS 76-12" 476-12"→	Seams, (GC) Very Dense, (GC)				Very Stiff, (CL) 3.50 102.0 4.00 102.9 Stiff, (CL) 3.50 102.0 4.00 102.9 2 SS 13 2.90 13 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 1.50 99.1 10 Stiff, (CL) 1.50 99.9 Fat Clav w/Gravel, Reddish Brown, Stiff, (CH)	Ground Surface Topsoil(-3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 10 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 20 30 40 10 20 40 40 40 40 40 40 4	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 497.0 18.0 497.0 18.0 497.0 18.0 494.0 6 SS 76-12" 21.0	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC) 497.0 18.0 497.0 18.0 497.0 18.0 496.12" →	Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Weathered Limestone Stringers w/Fat Clay 497.0 18.0			Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 10 Stiff, (CL) 1 SS 7 1.16 7 23.6	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 • Stiff, (CL) 1.50 99.1 10 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 • 23.6 •	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL)	O
Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 497.0 497.0 498.0 5 SS 76-12" A76-12" →	Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 497.0 18.0 497.0 18.0 497.0 18.0 21.0	Hard drilling below 16½ ft. 497.0 Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) 494.0 6 SS 76-12" 476-12"→	Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Hard drilling below 16½ ft. 497.0 Weathered Limestone Stringers w/Fat Clay 18.0	Hard drilling below 16½ ft.		Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 • Stiff, (CL) Stiff, (CL) 1.50 99.1 1.00 99.9 4 SS 7 1.16 7 • 23.6 •	Ground Surface 10 20 30 40 10 20 10 20 10 20 30 40 10 20 10 20 30 40 10 20 40 40 10 20 40 40 40 10 20 40 40 40 10 20 40 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 40 40 10 20 10 20 40	O
Fat Clay W/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay W/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 79.9 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 5 SS 17 1.41 17	Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7 A 3 497.0 18.0	Fat Clay W/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 5 SS 17 1.41 7	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 5 SS 17 1.41 17	Fat Clay W/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41 7	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 1 SS 10 2.79 1 17.8 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 2.79 10 2.79 10 2.79 10 2.8 • 10 2.79 10 2.8 • 10 2.8 • 10 2.79 10 2.8 •	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 T7.8 •	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 5 SS 17 1.41 17 497.0 494.0 6 SS 76-12" A76-12"	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41 7 1.41 7 1.41 7 1.41 7 1.41 7 1.41 7 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 1 SS 10 2.79 1 17.8 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 2.79 10 2.79 10 2.79 10 2.79 10 2.79 10 2.8 • 10 2.8 • 10 2.79 10 2.8 • 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 T7.8 •	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. 21.0 21	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 1.41 1.4	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 1.41 1.41 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41	Very Stiff, (CL) 3.50	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Till SS 10 2.80 Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 Till SS 10 2.80 17.8 •	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL)
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 5 SS 17 1.41 7 497.0 494.0 6 SS 76-12" 476-12" →	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 79.9 15.0 79.9 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 15.0 5 SS 17 1.41	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 • 17.8	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 T7.8 • 17.8 • 10 Stiff, (CL)	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<3"), Lean Clay, Silty, Yellow Brown Topsoil(<3"), Lean Clay, Silty, Yellow
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 1.41 1.4	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 15.0 5 SS 17 1.41 17 497.0 18.0	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41 17 497.0 18.0	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 1 SS 10 2.79 1 17.8 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 21.4 • 10 2.79 10 2.79 10 2.79 10 2.79 10 2.79 10 2.79 10 2.8 • 10 2.8 • 10 2.79 10 2.8 • 1	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 •	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 2.79 10 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA
Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.50 79.9 1.50 79.9 5 SS 17 1.41 7 497.0 494.0 6 SS 76-12" 476-12" →	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 15.0 497.0 18.0	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay 1.50 79.9 15.0 5 SS 17 1.41 17 497.0 18.0	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. 1.50 79.9 15.0 5 SS 17 1.41	Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 5 SS 17 1.41	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) 3.50 102.0 1 SS 10 2.79 1 17.8 • 2 SS 13 2.90 3 SS 8 1.28 8 • 22.8 •	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 Stiff, (CL) 3.50 102.0 1 SS 10 2.79 2 21.4	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 10 21.4 10 20 2	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown O HA O HA O O HA O O O O O O O O O
15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 1.00 99.9 4 SS 7 1.16 7	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	1.00 99.9 4 SS 7 1.16 7 23.6 • 1.00 99.9	1.00 99.9 4 SS 7 1.16 7 23.6 • 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft.	1.00 99.9 4 SS 7 1.16 7 23.6 • 15	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 •	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) Stiff, (CL) Stiff, (CL)	Ground Surface 10 20 30 40 10 20 10 20 30 40 10 20 40 10 20	O
15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Searns, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.00 99.9 4 SS 7 1.16 7 23.6 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) 1.00 99.9 4 SS 7 1.16 7 23.6 23.6 23.6 497.0 5 SS 17 1.41 7 1.41 7 1.41 1.41	15 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC)	1.00 99.9 4 SS 7 1.16 7 23.6 15 1.00 15.0 1.16 7 1.	1.00 99.9 4 SS 7 1.16 7	1.00 99.9 4 SS 7 1.16 7 A 23.6	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 •	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL) 2 SS 13 2.90 17.8 •	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) Topsoil(<5"), Lean Clay, Silty, Yellow Brown Topsoil(<5"), Lean Clay, Silty,	O
1.50 99.1 Stiff, (CL) 1.50 99.1 1.50 99.9 A SS 7 1.16 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	1.50 99.1 3 SS 8 1.28 8	Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8 22.8 22.8 3 1.00 99.9 4 SS 7 1.16 7 23.6 23.6 23.6 23.6 23.6 23.6 23.6 23.6	10 Stiff, (CL) 1.50 99.1 1.50 99.9 4 SS 7 1.16 7 23.6 1.50 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Very Dense, (GC)	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 Stiff, (CL) 1.00 99.9 A SS 8 1.28 8 22.8 22.8 1.10 99.9 1.10 99.9 1.10 99.9 1.10 7	1.50 99.1 3 SS 8 1.28 8 22.8 1.00 99.9 Stiff, (CL) 1.00 99.9 4 SS 7 1.16 7 23.6 15	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 10 21.4	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 Very Stiff, (CL)	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 Very Stiff, (CL) Very Stiff,	O Ground Surface 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 0 HA Very Stiff, (CL) 1 SS 10 2.79 21.
1.50 99.1 Stiff, (CL) 1.50 99.1 1.50 99.9 A SS 7 1.16 7 23.6 1.50 79.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft. End of Boring @ 21 ft.	1.50 99.1 Stiff, (CL) 1.00 99.9 4 SS 7 1.16 7 23.6 1.50 99.1 1.50 Part Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Stiff, (CL) 1.50 99.1 1.50 99.9 4 SS 7 1.16 7 23.6 1.50 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8 22.8 1.00 99.9 4 SS 7 1.16 7 23.6 1.00 99.9 4 SS 7 1.16 7 23.6 1.00 99.9 1.50 79.9 1.50 79.9 1.50 79.9 1.50 79.9 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	1.50 99.1 3 SS 8 1.28 8	Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79 21.4	Mottled Light Gray, (CL) Very Stiff, (CL) 3.50 102.0 1 SS 10 2.79	Ground Surface 10 20 30 40 10 20 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 1 SS 10 2.79 21.4	Ground Surface 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 0 HA Very Stiff, (CL) 1 SS 10 2.79 21.
Very Stiff, (CL) 1.50 1.50 99.1 3 SS 8 1.28 8 4 22.8 13 2.90 13 17.8 8 17.8 1	Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 10 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 7 23.6 15 15 15 15 15 15 15 1	Very Stiff, (CL)	Very Stiff, (CL) 1.50 99.1 2 SS 13 2.90 13 17.8	Stiff, (CL) 10 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 22.8 13 2.90 1.78 8 22.8 13 2.90 1.10 1.5	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13	Stiff, (CL) Stiff, (CL) 1.50 99.1 1.50 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) 1.50 79.9 2 SS 13 2.90 13	Very Stiff, (CL)	Mottled Light Gray, (CL) 0 HA Very Stiff, (CL)	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20 10 20 30 40 10 20	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) O HA Very Stiff, (CL)
Very Stiff, (CL) 1.50 1.50 99.1 3 SS 8 1.28 8 4 22.8 13 2.90 13 17.8	4.00 102.9 Stiff, (CL) Stiff, (CL) 1.50 99.1 Stiff, (CL) 1.50 99.9 4 SS 7 1.16 74 23.6 Table 17.8 1.50 79.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Seams, (GC) Very Dense, (GC) Rig Refusal (Probable Limestone) @ 21 ft.	Very Stiff, (CL)	Very Stiff, (CL) 1.50 99.1 2 SS 13 2.90 13 17.8	Stiff, (CL) 10 Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 1.28	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17 8 17 8 17 8 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18	Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13	Stiff, (CL) Stiff, (CL) 1.50 99.1 1.00 99.9 4.00 102.9 2 SS 13 2.90 13		Mottled Light Gray, (CL)	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL)	O Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL) 515.0 10 20 30 40 10
3.50 102.0 Very Stiff, (CL) 4.00 102.9 Stiff, (CL) 1.50 99.1 3 SS 10 2.79 113	5 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 1	3.50 102.0 1 SS 10 2.79 21.4 1	3.50 102.0 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 1 SS 10 2.79 2 1.4 1 1 SS 10 2.79 2 1.4 1 1 SS 10 2.79 2 1.4 2 SS 13 2.90 1 1 SS 10 2.79 1 1 SS 10 2.79 2 SS 13 2.90 1 1 SS 10 2.79 1 1 SS	5- Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 17.8 21.4 17.8 10- Stiff, (CL) Stiff, (CL) 1.50 99.1 3 SS 8 1.28 8 2.28 10 2.79 11 SS 10 2.79 11 SS 10 2.79 11 SS 10 2.79 12 SS 13 2.90 13 SS 8 1.28 8 S 7 1.16 7 SS 7 SS 17 1.41 1.41 1.50 1.	3.50 102.0 Very Stiff, (CL) Stiff, (CL) Stiff, (CL) 100 99.9 Fat Clay w/Gravel, Reddish Brown, Stiff, (CH) Hard drilling below 16½ ft. Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay Weathered Limestone Stringers w/Fat Clay	3.50 102.0 Very Stiff, (CL) 4.00 102.9 2 SS 13 2.90 13 17.8 17	3.50 102.0 102.9 1 1 SS 10 2.79 21.4 1 17.8		Mottled Light Gray, (CL)	Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown Mottled Light Gray, (CL)	0 Ground Surface 515.0 10 20 30 40 10 Topsoil(<3"), Lean Clay, Silty, Yellow Brown

	ring No	0.: <u>3</u>												_	_	_	=
		SUBSURFACE PROFILE	Г		Г		SA	MPLE	<u> </u>	ł							
Depth (ft.)	Symbol	Description	Qp, t.s.f.	Dry Density, P.C.F.	Depth/Elev.	Number	Туре	Blows/ft.	Qu, T.S.F.	Sta	ndard Pe Tes blows		w	p ŀ	r Cor	—	
0-		Ground Surface Topsoil(<3"), Lean Clay, Silty, Yellow Brown	\mathbf{I}		517.5					一	0 20	30 40	+	10	20 3	30 4	4
-		Mottled Light Gray, (CL)				0	НА		1	\vdash			\top	1	19.5	\vdash	-
		Dry, Hard, (CL)				H			1		0		1.				
-			3.50			1	SS	10					15	5.9	<u>'</u>	$oxed{\bot}$	_
5-		Dry, Hard, (CL)				<u> </u>		_		H			+	\perp	+	\vdash	_
-			3.00	99.4		2	SS	6	5.42	6 ♠		++	15	5.4	1	+	_
		Moist, Very Stiff, (CL)				<u> </u>											_
_			1.50	105.8		3	SS	13	3.13	13	<u>}</u>		1	6.9	1	_	_
10-		Very Stiff, (CL)				<u> </u>							+	$\frac{1}{1}$	\blacksquare	\vdash	_
-			1.50	103.7		4	SS	9	2.71	9 4			+	18.9	1	\vdash	
														I			
_													_	\bot	\downarrow	_	_
15-		Fat Clay w/Gravel, Reddish Brown, Hard, (CH)	-	400.4	502.5 15.0			40					+	+	\parallel	+	-
-		B: B (0 40.7 4	2.25	102.4	500.8 16.7	5	SS	10	4.04	10			\dagger	24	.0 ♦	\vdash	
-		Rig Refusal @ 16.7 ft. Began NQ-2" Core @ 16.7 ft.			0.7								I	I	I	I	
-		Limestone, Light Gray, Medium Bedded, Hard, Occasional Clay-Filled Seams								L			+	\perp	\perp	\vdash	_
20-		Cored 8.4 ft. Recovery Ratio=93%, RQD= 63%								\vdash			+	+	+	\vdash	-
						Run 1	NQ-2										_
													\perp	\perp	_	_	_
-										\vdash			+	+	+	\vdash	_
25 –		End of Boring @ 25.1 ft.	1		492.4 25.1				1				+	+	+	+	
													T	I	I		
-												++	+	\perp	+	_	_
-										\vdash			+	+	+	\vdash	_
30 –										\vdash			+	\dagger	+	\vdash	-
														\perp	\perp		_
		od: 3 1/4" HSA/NQ-2" Core	<u> </u>	<u> </u>	<u> </u>	L			L	<u>_</u>				<u>_</u>	<u></u>		

		subsurface profile				1	CA	MPLE		1								****	*********
Depth (ft.)	Symbol	Description Description	Op, ts.f.	Ory Density, P.C.F.	Depth/Elev.	Number	Type	Blows/ft.	Qu, T.S.F.	Star		l Per Test ows/					Con		
0-	///	Ground Surface Topsoil (2")		5007 3050	509.0	**************************************		Secontinuon custimento ci	***************************************	1	0_2	0 3	0 4				0_3		
-		Yellow Brown Silty Clay, CL					<u> </u>						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1	1.8	,,		
		Very Stiff, CL				0	HA		1			24							
		•				1	ss	24				A				9 12	9		-
5 -		Mottled Light Gray, Very Stiff, (CL)						***************************************											
						2	SS	20			20 4				15.	5 😂			\dashv
ł		Very Stiff, (CL)					ļ												
		,, 10,				3	SS	22			22	A				6 13	.6		
10		Stiff, (CL)					<u> </u>			i de la constanta de la consta	A								
ران المارية المارية		om, (oz)	***************************************			4	ss	14		14	4				13.4				-
أستام			Name of the least													1			enamenamen
Ì			AND THE PROPERTY OF THE PROPER													-			-
15 –		Daddish Danim Citie Clare Van Citie (Ct.)														1			
ļ		Reddish Brown Silty Clay, Very Stiff, (CL)		105.5		5	ss	10	3.56	10 4					2	0.2)		
المسائد					491.5	***************************************							<u></u>						, , , , , , , , , , , , , , , , , , ,
	/44/46)\$\$ _.	Limestone Stringers w/Clay Seams Light Gray Limestone, Very Dense			497150 18.0	6	SS	50-1"					- 50	-1"					WCD-PETERODA
20 -		Rig Refusal @ 18 Ft. End of Boring @ 18 Ft.																	- CONTROL
-																		ļ	меномерог
-																			CORNUMN N
-																			COMMENSOR
25 -										,.					*				Operation (September 1997)
_~							***************************************												HIROCOMONIA
-																			Description Description
-	***************************************						under state of the							:					Personal Per
20.																			SOO TO SO TO
3U 🗂												.,							
-	-									ļ									
raannedu		d: 3 1/a" HSA			N-100-11415554411		менения образования образования образования образования образования образования образования образования образов Неприменения образования образования образования образования образования образования образования образования о	<u> </u>	round	مودس	r Els		`};;ri	ים מח	rilli	nu.	<u></u>		
30 -		d: <u>3 1/4" HSA</u>	ANICONEO POR POSANCO CONTRA	TOTAL SCHOOL STREET, S			ANNE/WANGOGE	mecanical and a second	round	wate	r File	2V [heri	na f	rilli	nu.	Ž	7	

NOTE: SEE SPECIFICATION FOR FULL GEOTECHNICAL REPORT, BY GEOTECHNICS DATED NOVEMBER 1, 2012

BORING PROBE LOGS

Boring	Elevation	Depth where rock fragments/weathered rock encountered (ft)	Refusal Depth(ft)
Number			
4	513.04	16.5 clay/weathered rock/18 weathered rock	18.5
5	514.42	16	17
6	516.31	14.5	15.5
7	516.73	19	20
8	516.12	16.5 trace rock fragments/17.5 weathered rock	20.5
9	514.55	17.5	18.5
10	508.97	17 with rock fragments/18 weathered rock	18.5
11	506.18	17	18
12	502.90	25	28.5

NO GEOTECHNICAL REPORT WAS PREPARED AS PART OF THIS INVESTIGATION.
ROCK DEPTH PROBE RECORD COMPLETED BY MIDWEST DRILLING INC. ON DECEMBER 4, 2013

P-0029720-00 BASE MAP 29H3

BID DOCUMENTS

Project Number 852CM3037 Office of SEWER RELOCATION Construction Drawing Reference Number and Facilities

Drawing Number

Department of Veterans Affairs

Management

CONSULTANTS: ARCHITECT/ENGINEERS: I HEREBY CERTIFY THAT THIS BE PREPARED BY ME OR UNDER MAIN A DULY LICENSED PROFESSION STATE OF MISSOURI. ATION, OR REPORT WAS RVISION AND THAT I AM JULIR THE LAWS OF THE

ENGINEERING • ARCHITECTURE • LAND SURVEYING 763-412-4000 (o)
ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE www.ae-mn.com

Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (o) 763-412-4090 (f)

Drawing Title

Approved: Project Director ST. LOUIS, MO 3-28-16

GEOTECHNICAL BORING LOGS

Dwg, 3 □f 17

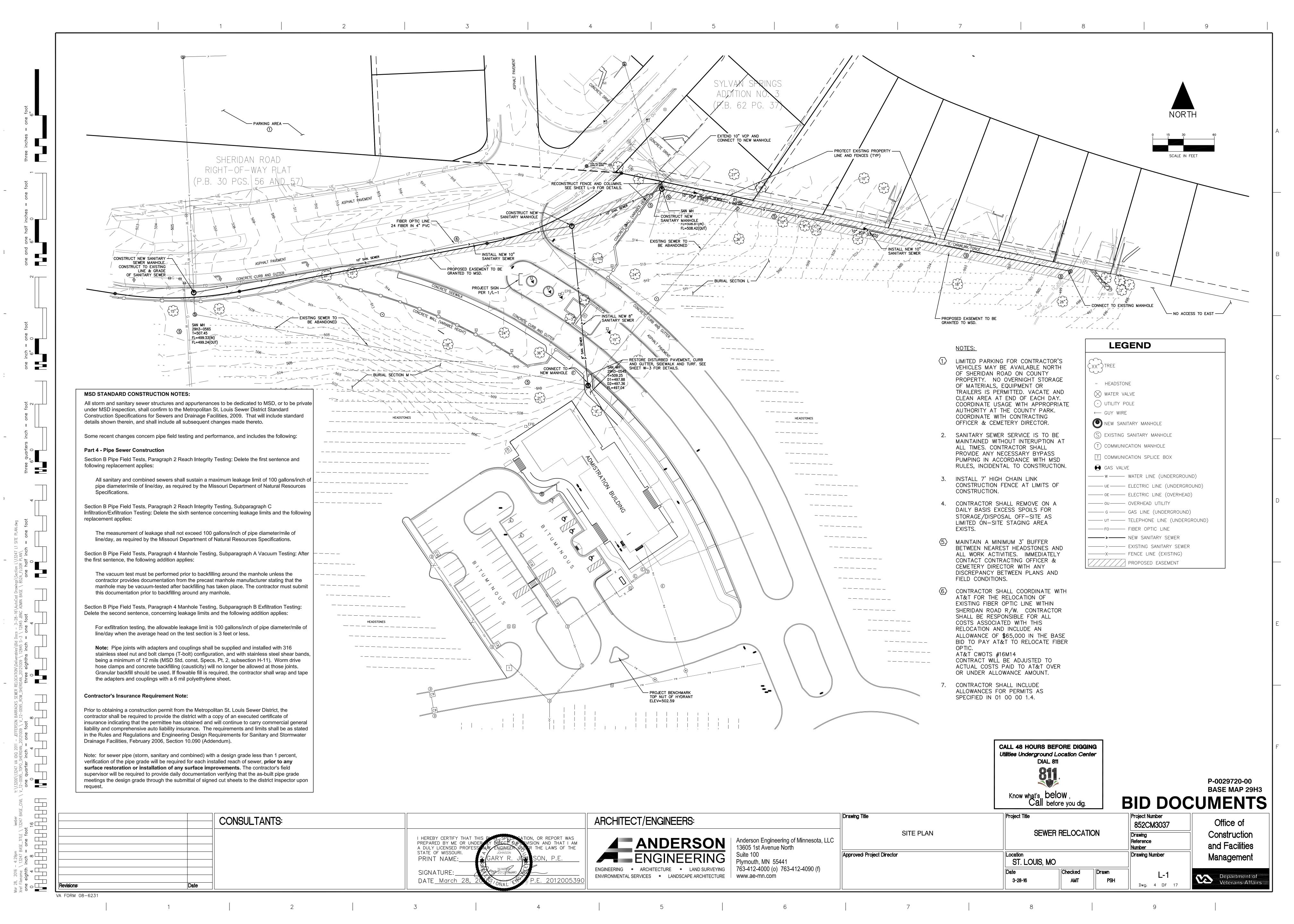
Project Title

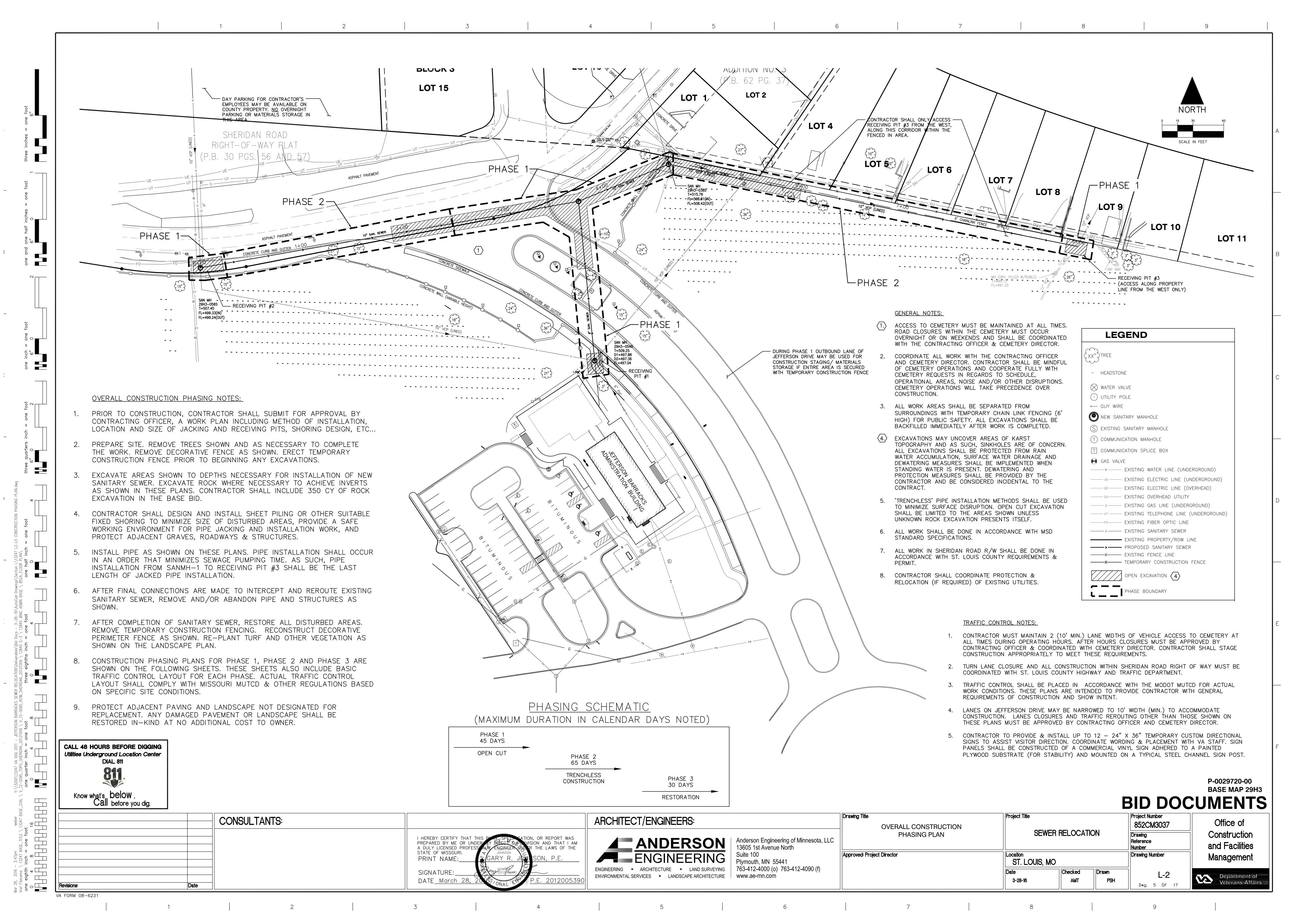
VA FORM 08-6231

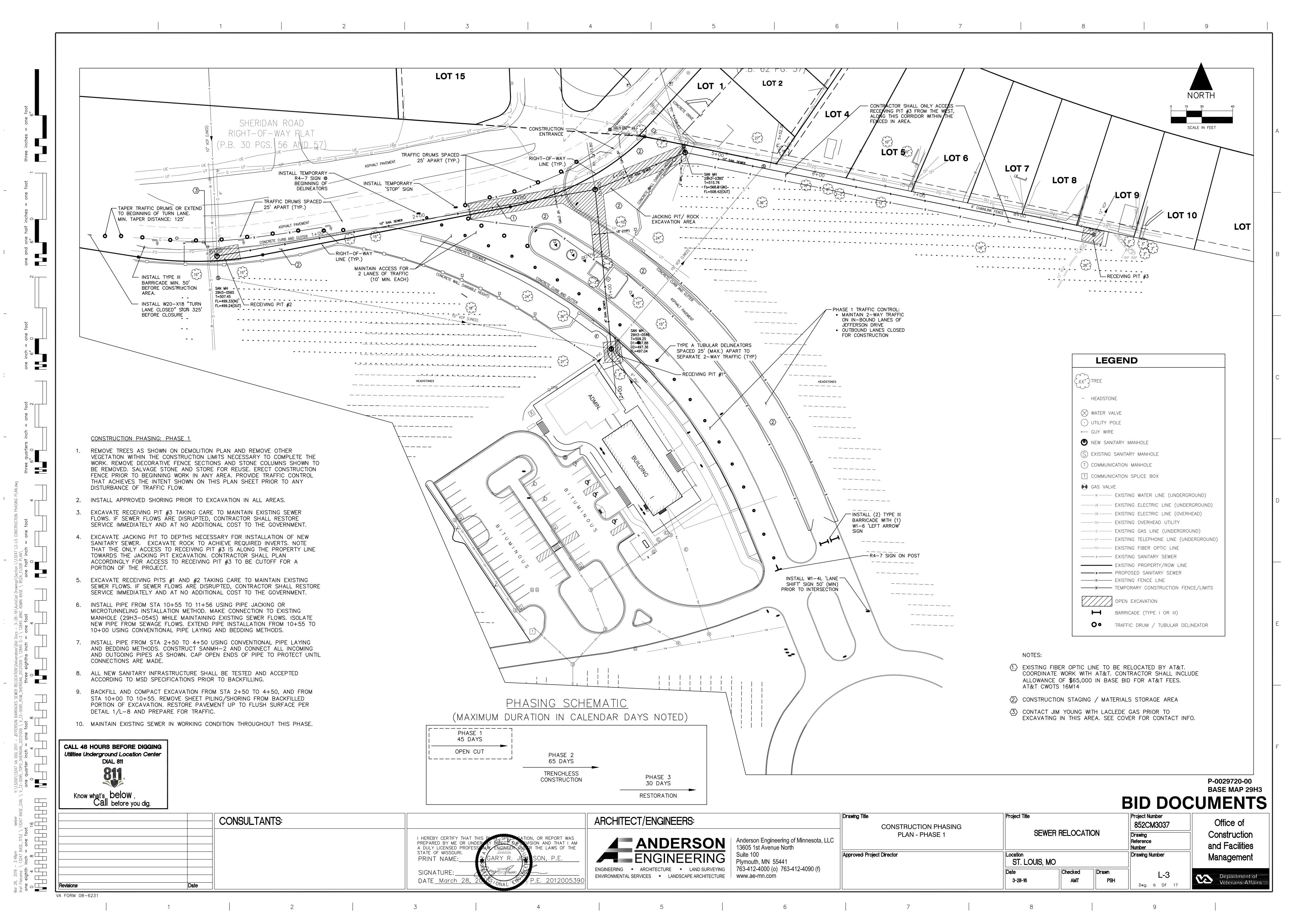
Mar 28, 2016 – 3:47pm

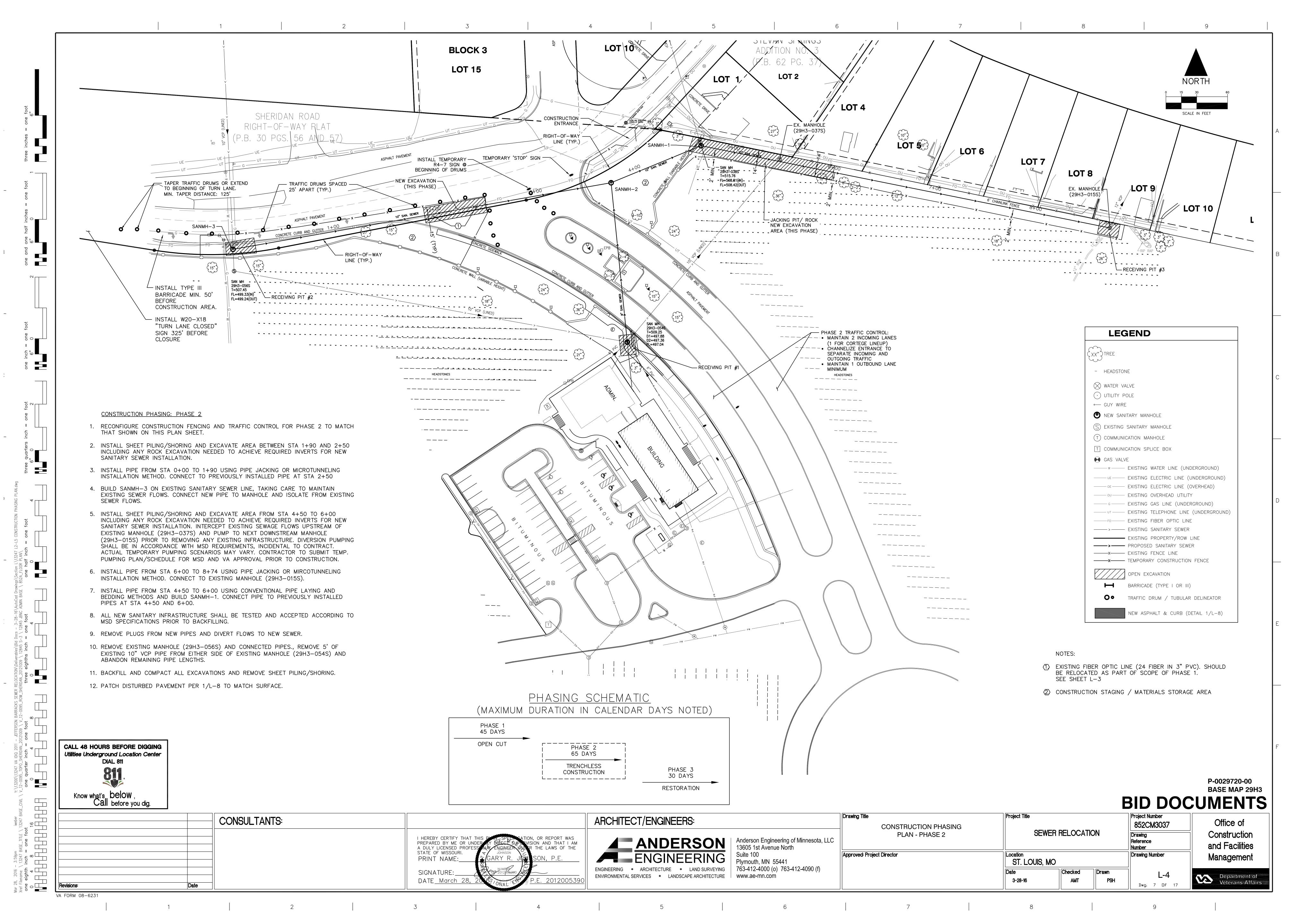
Xref Filename: \ 13247 BASE_ITILE\
one eighth inch = one foot

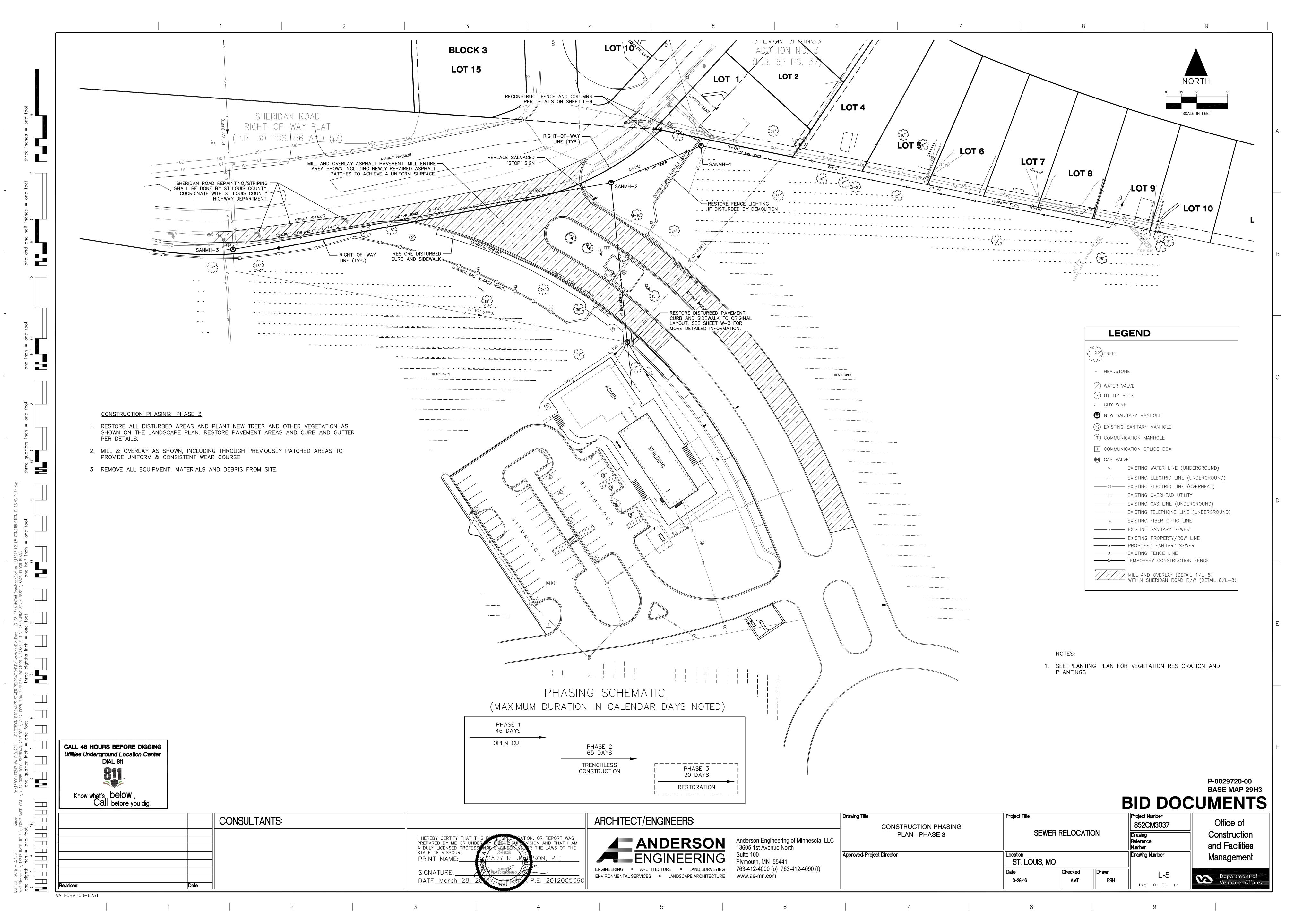
0 4 8 16

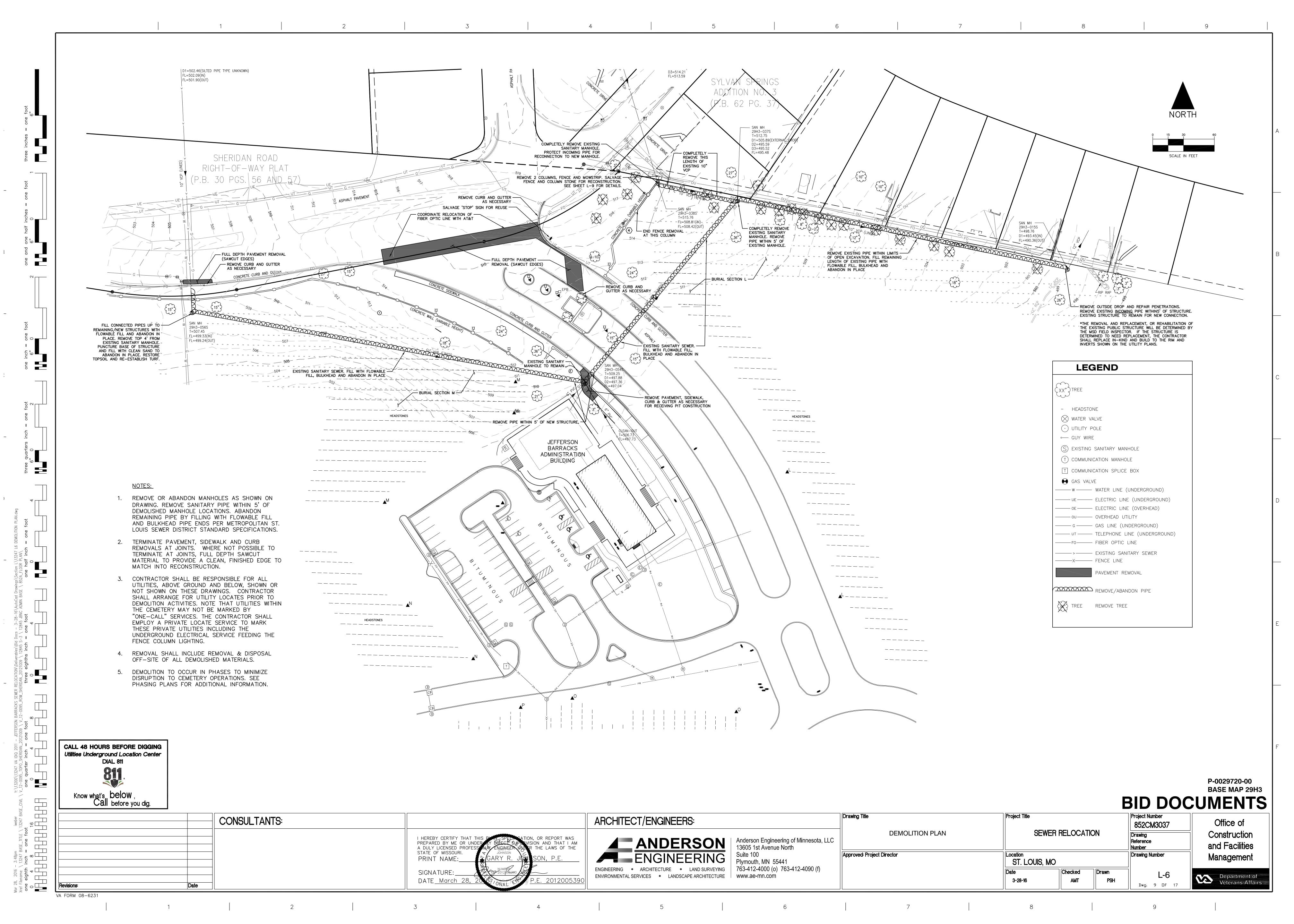


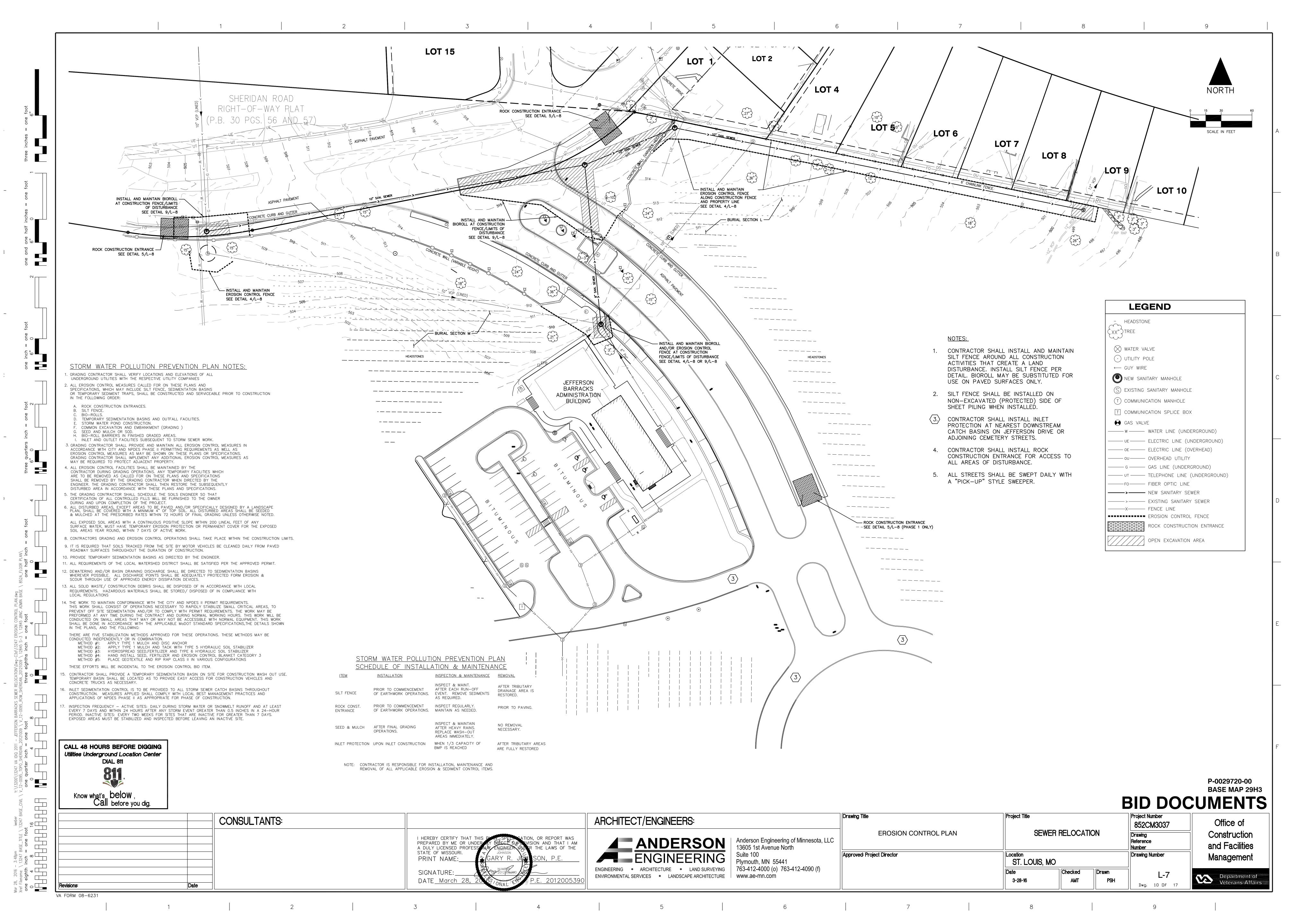


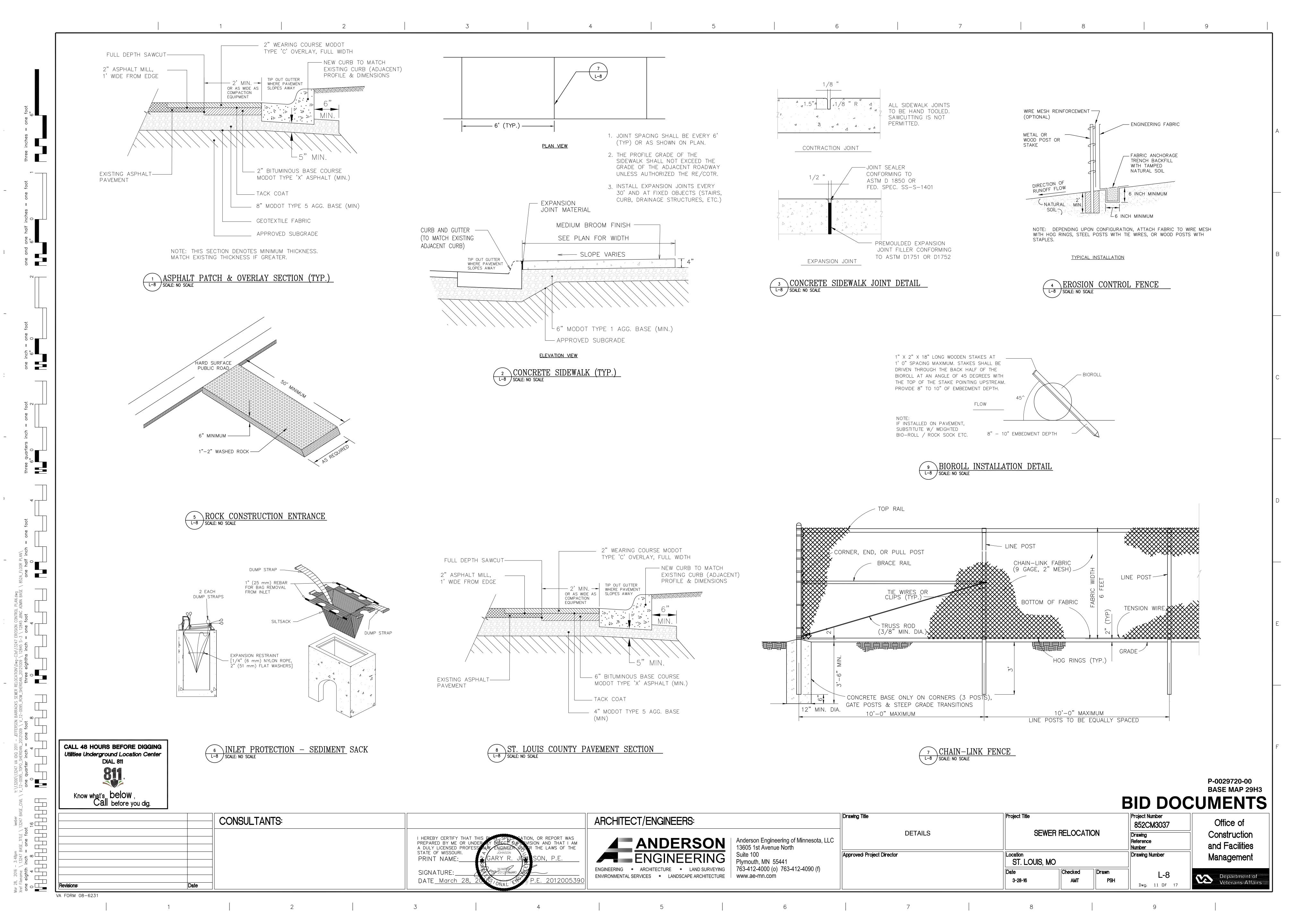


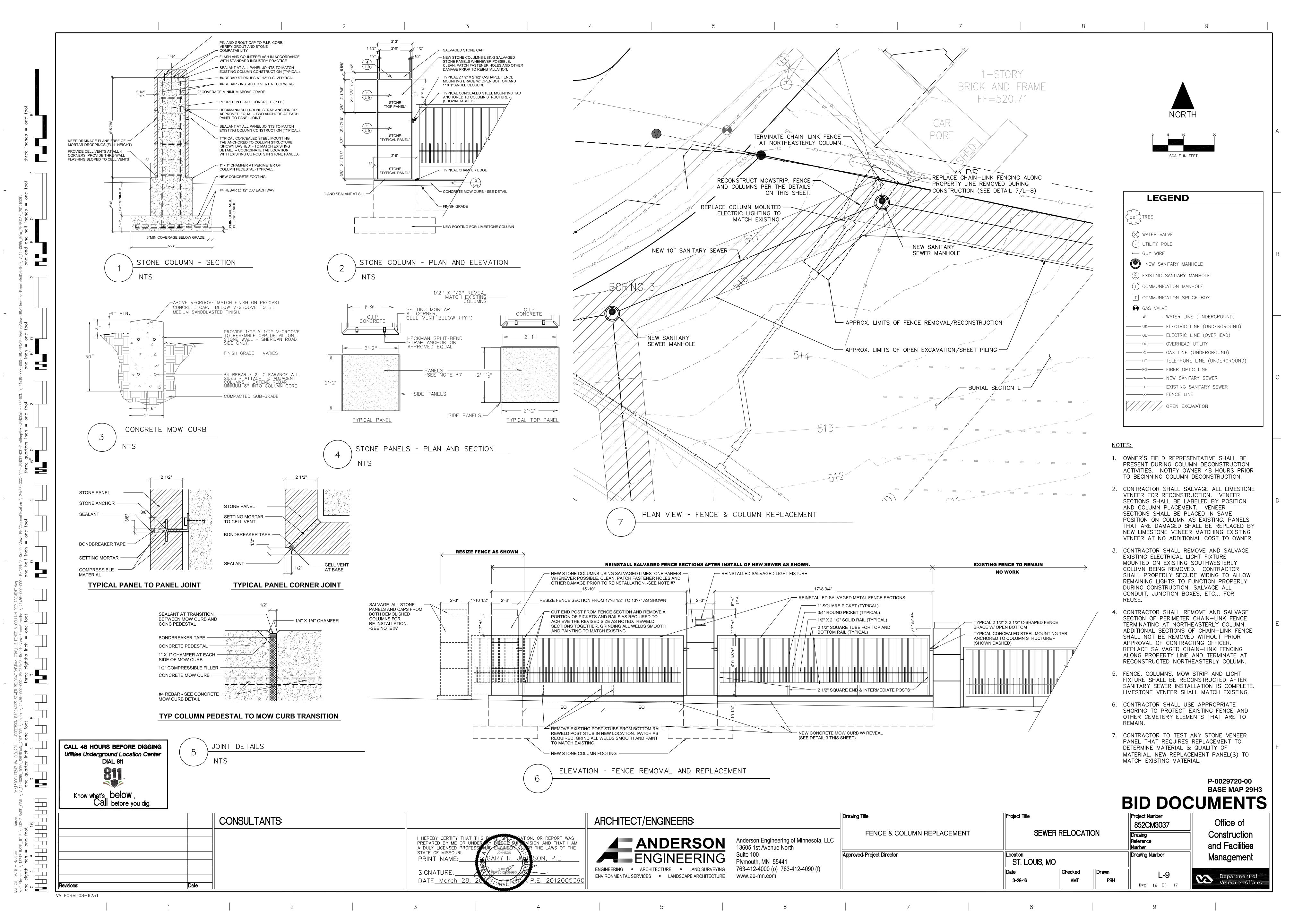


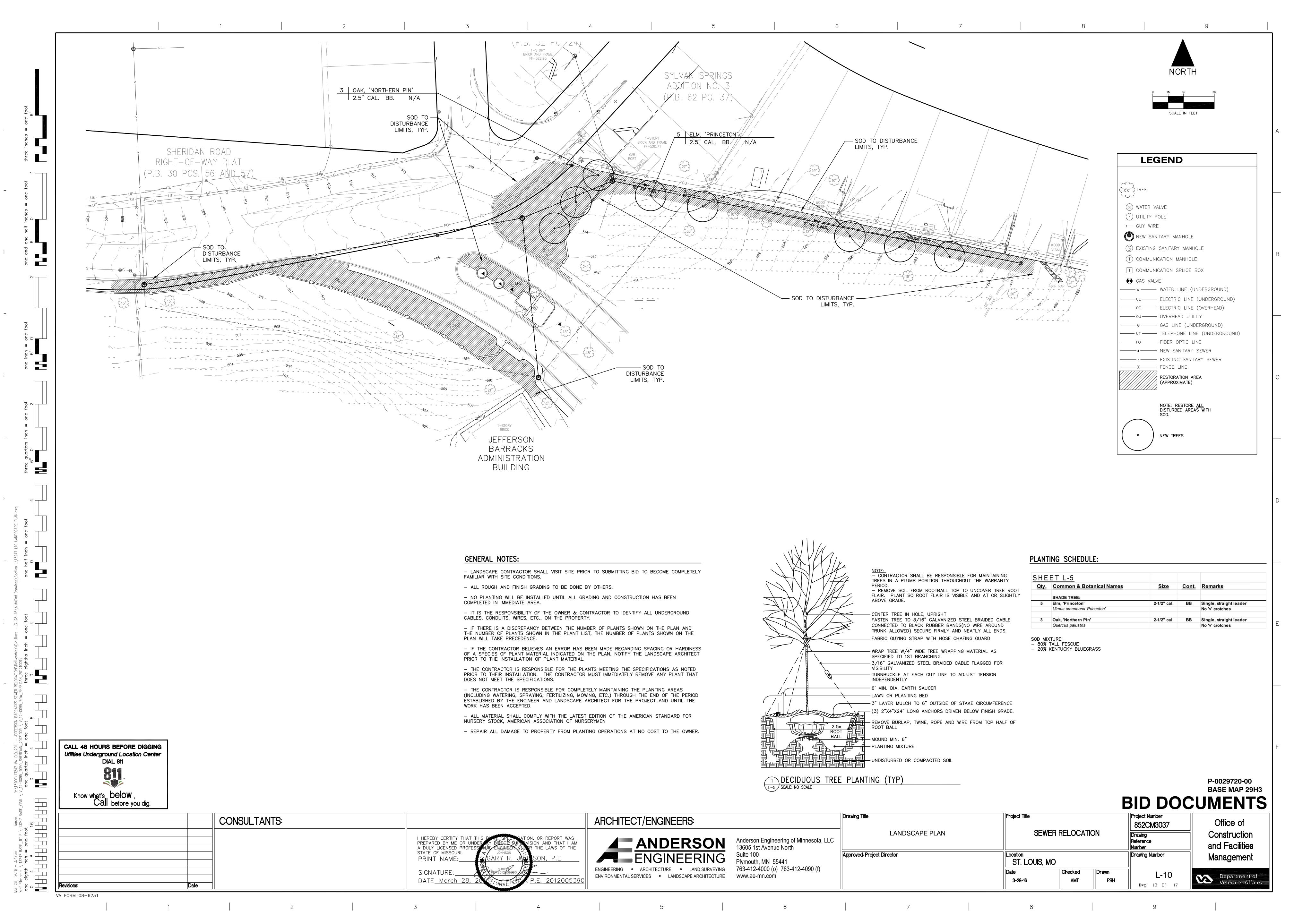


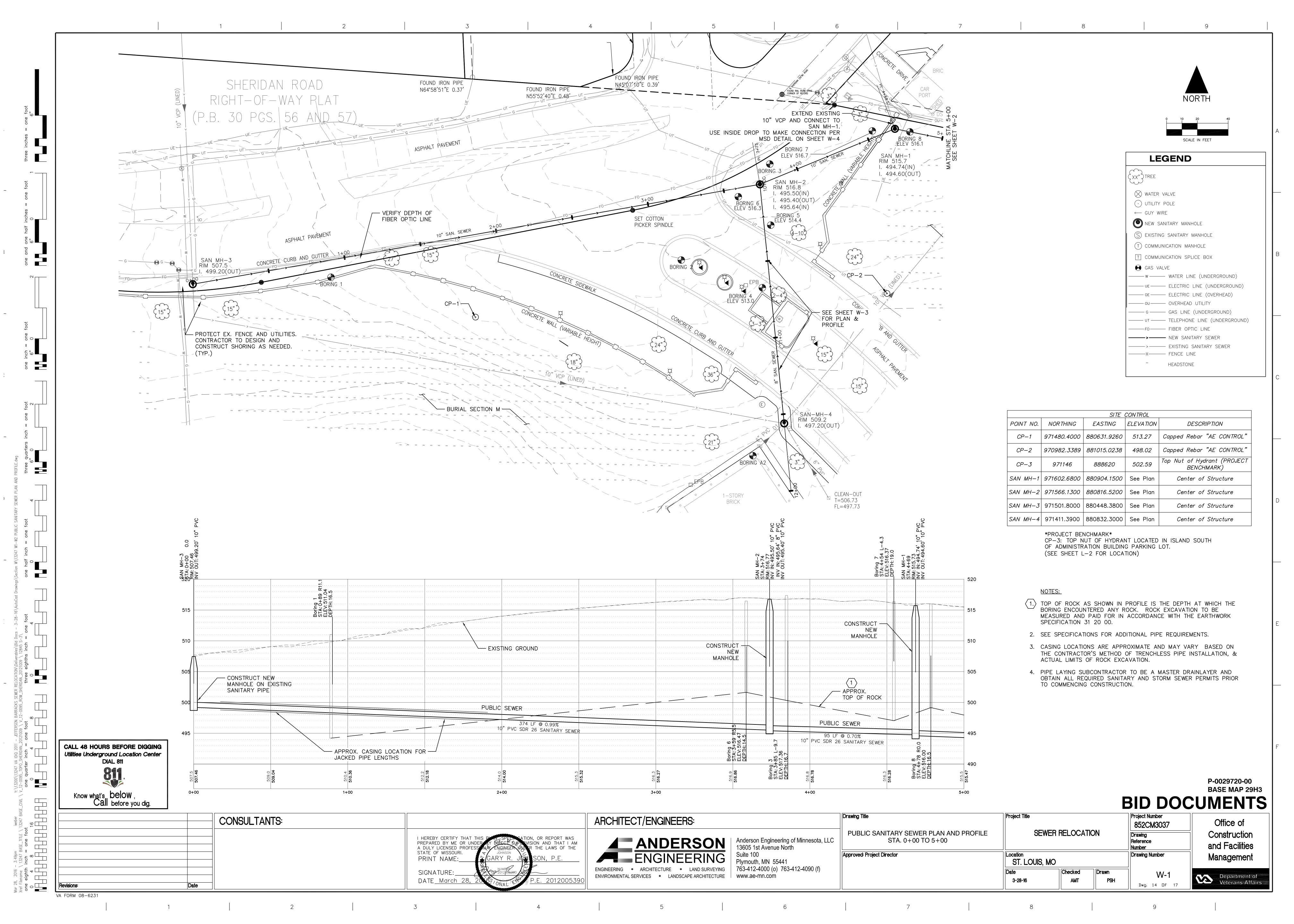


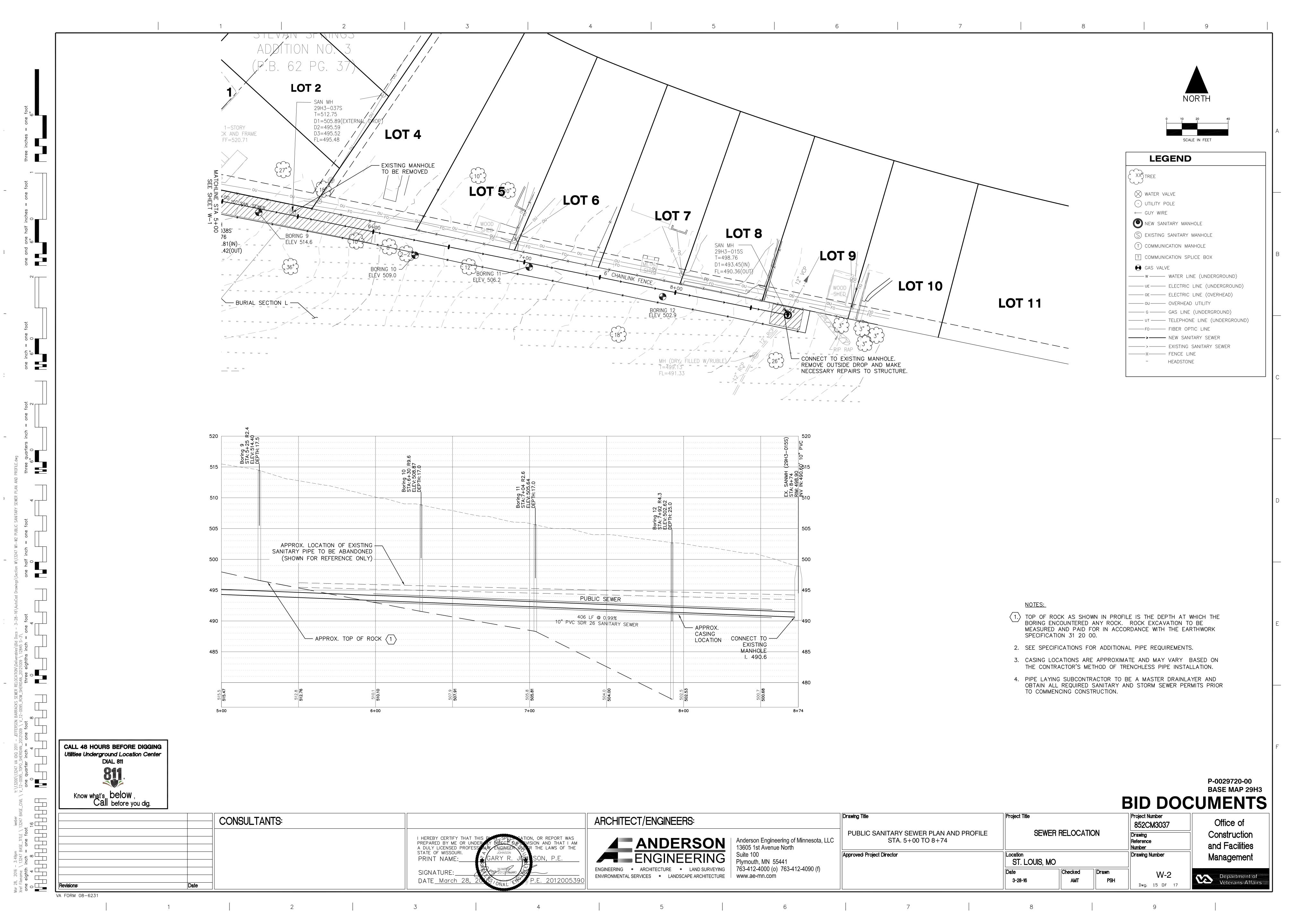


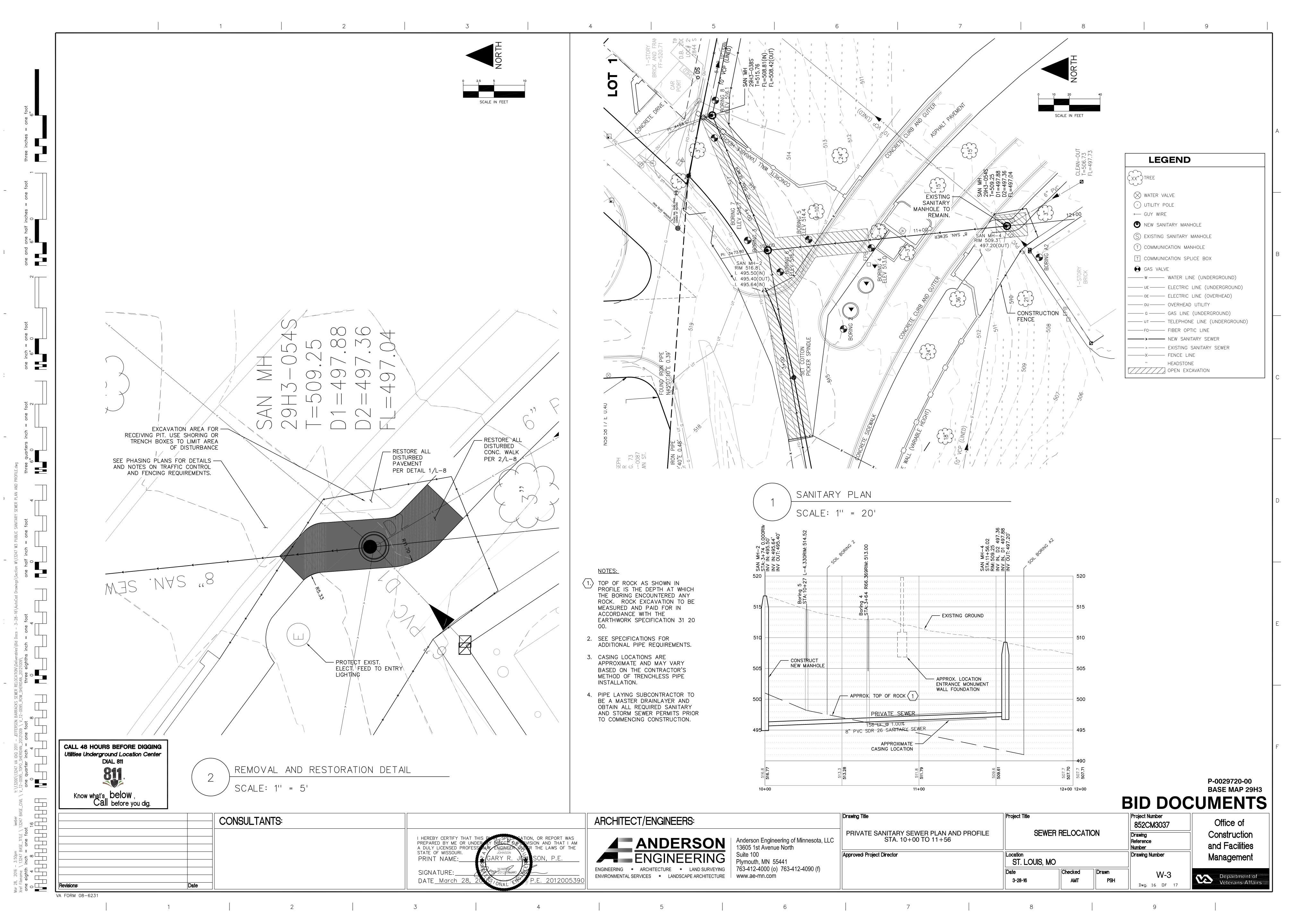


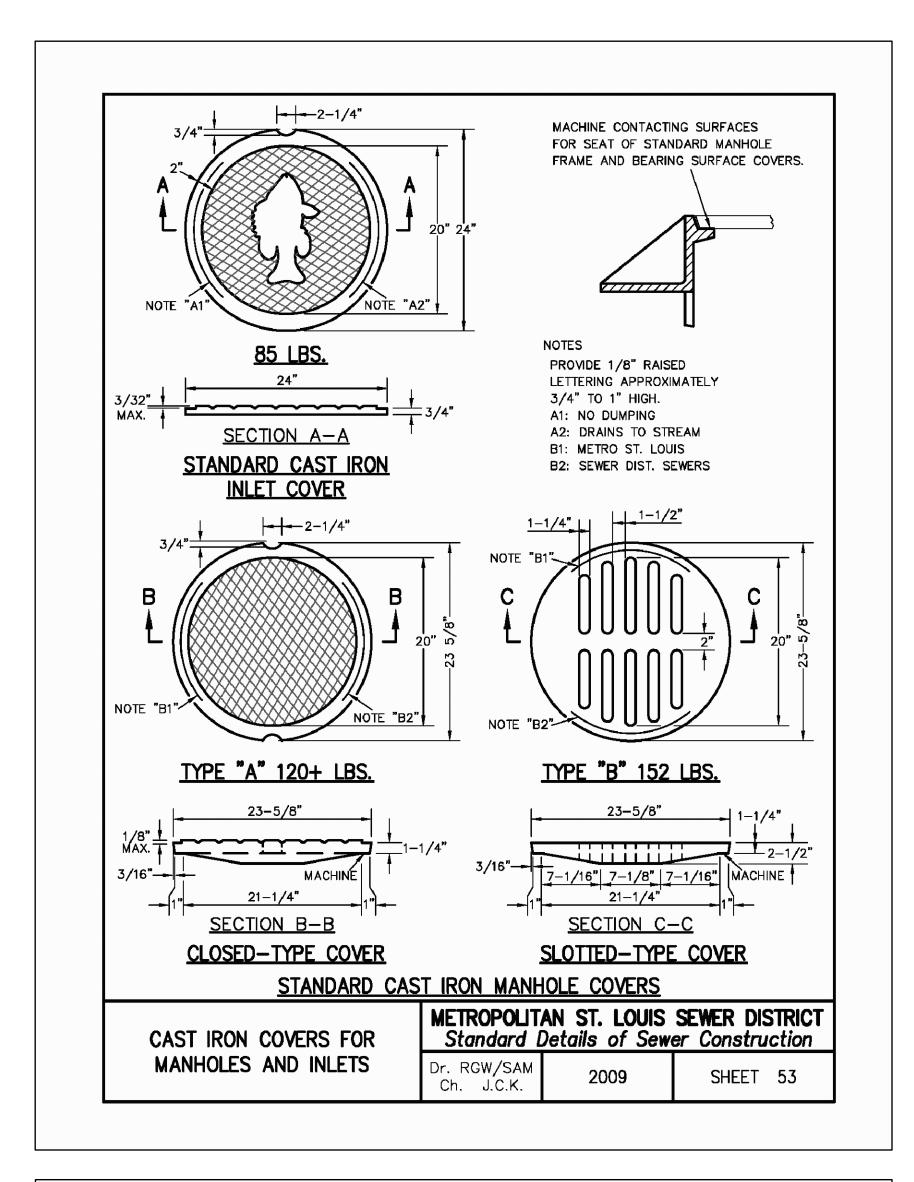


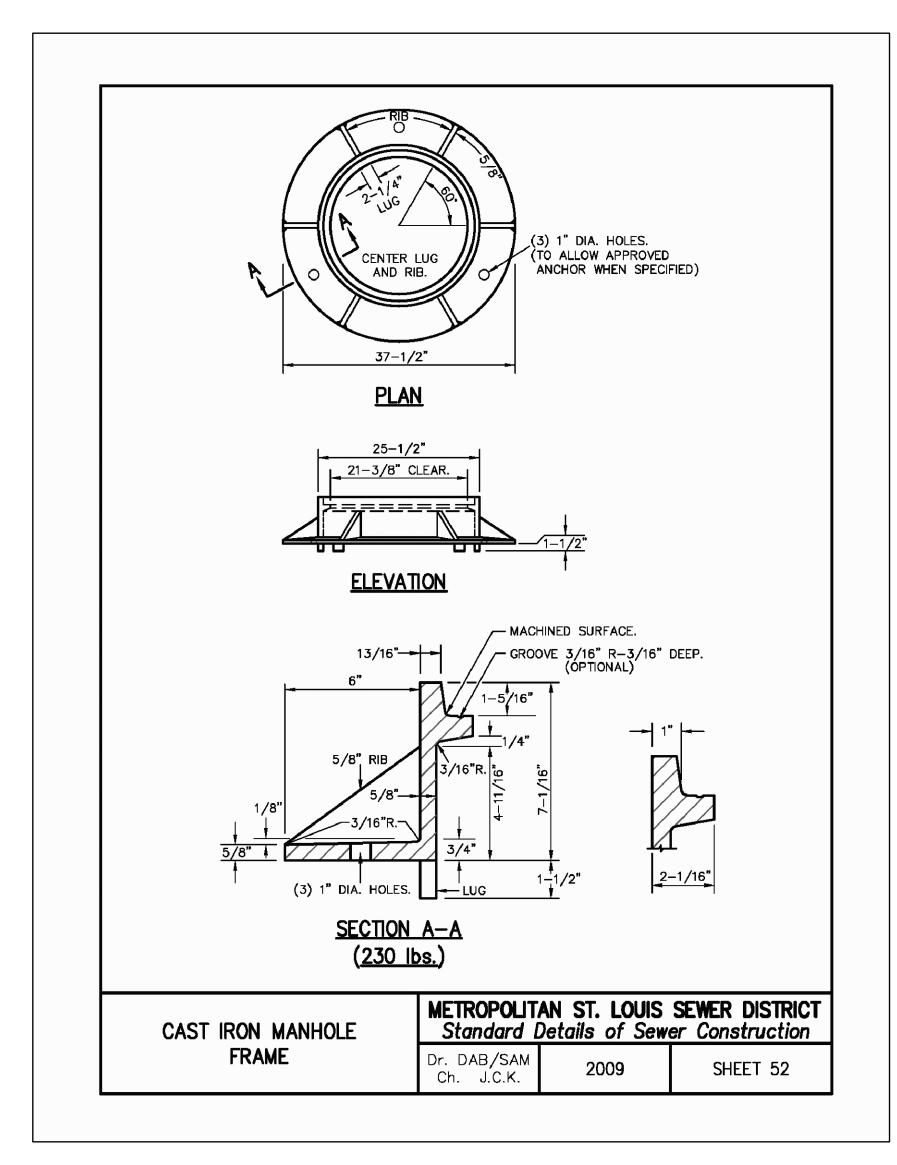


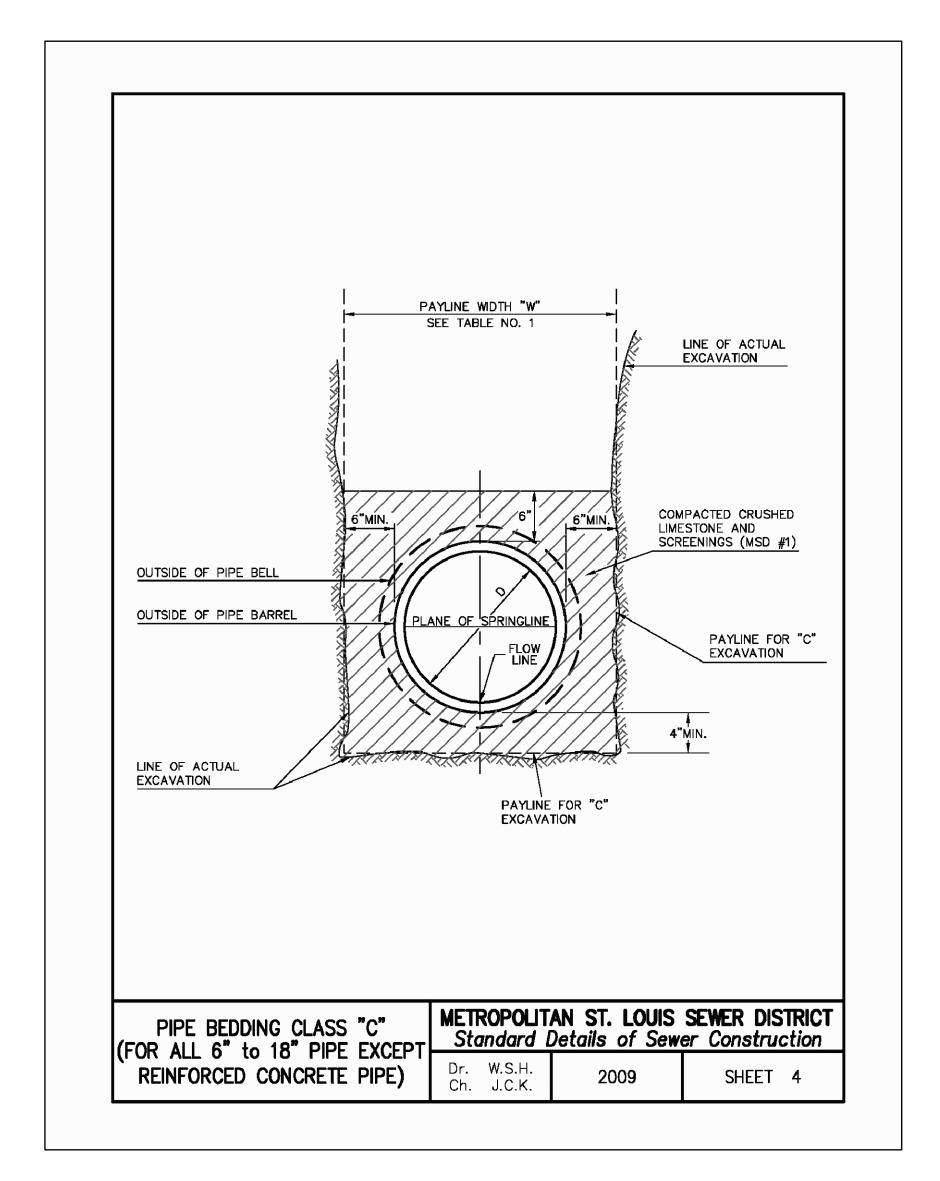


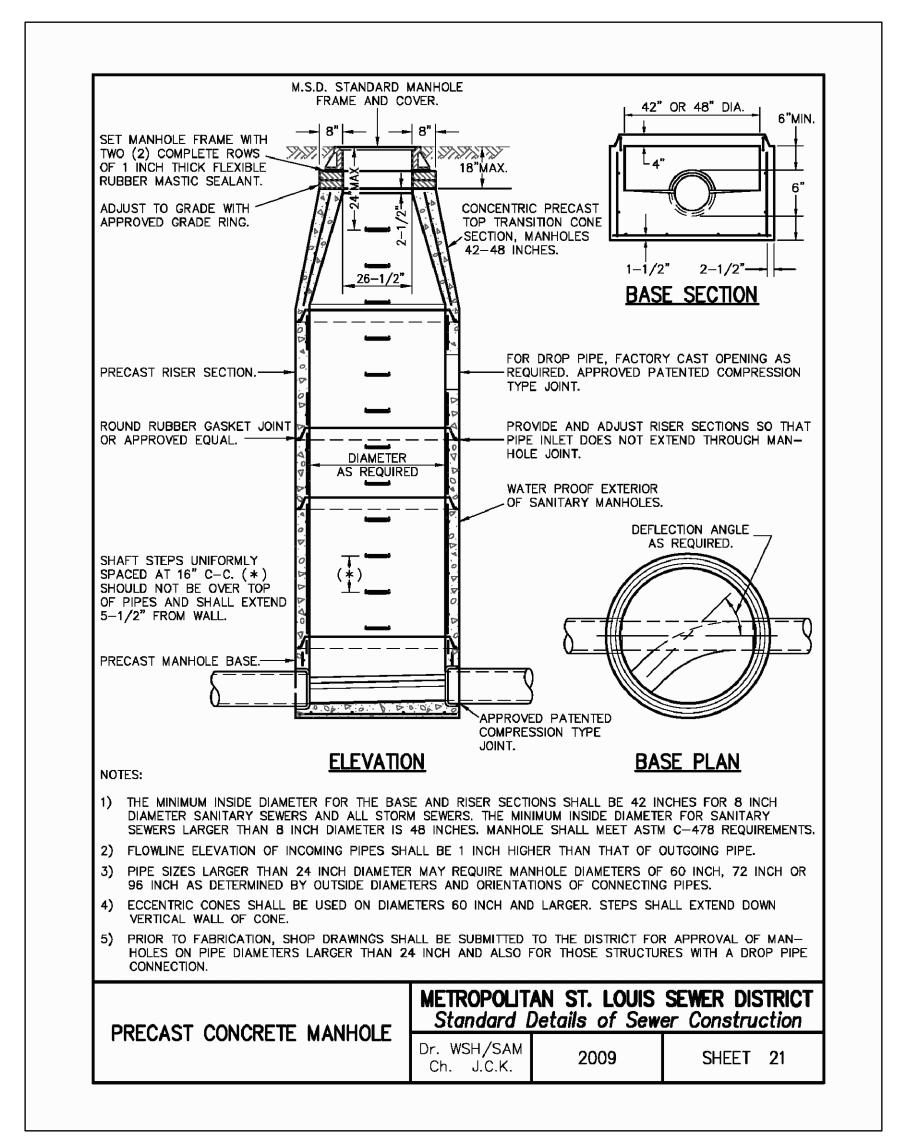


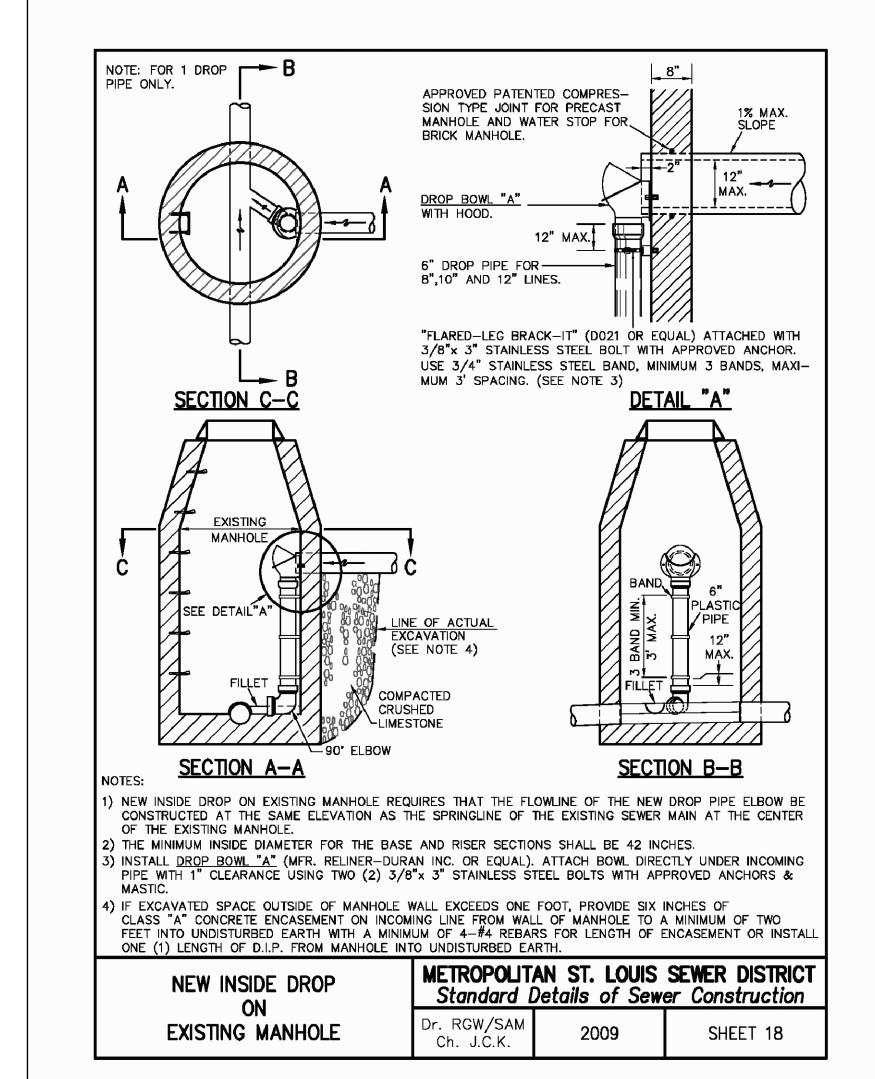












VA FORM 08-6231

<u>NOTE:</u> ALL DETAILS ARE FOR CONTRACTOR CONVENIENCE ONLY.

> P-0029720-00 BASE MAP 29H3

